

**Kosnic**

E V O L V E



# New age of lighting

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# ECO Ethos @ Kosnic

## for a greener planet

Our planet is currently facing many environmental challenges, such as global warming, climate change, air/water/soil pollution, and overwhelmed waste disposals. Over the last few decades, the exploitation of our planet and degradation of our environment has risen at an alarming rate. It is now more urgent than ever for every one of us to take necessary actions to protect our planet and our children's future.

At Kosnic, we are playing our part through our innovations and enhancements in product design, manufacturing and services.

## Manufacturing and supply chain control

As a long-established lighting manufacturer (since 1995), Kosnic has in-depth knowledge and control over our design and manufacturing processes as well as our supply chain of components. In recent years, we've made great efforts and investments to enhance our manufacturing facilities and processes to minimise our environmental and social impact. We have also strengthened our IQC process to ensure all our components and third-party products are fully compliant with local environment legislations EU ROHS/REACH directives.

## Eco design and innovations

### Emergency solution with lithium batteries

Kosnic is one of the earliest companies to produce LED emergency conversion modules with Lithium batteries. In 2020, Kosnic will completely remove environmentally harmful Ni-Cad batteries from our product ranges.

### Modular luminaires - Minimising plastic and EEE waste

Modular design does not just provide the user with flexibility, but also allows easier repairs and upgrades with minimum waste. In 2011 Kosnic launched their first modular LED bulkhead, to include our patented LED DD module and plug-in emergency module.



### Modular design

This Logo applies to all products that contain detachable functional modules such as emergency modules, LED engines and Sensors.

### Higher energy efficiency

As one of the earliest LED lighting manufacturers in UK, over the years we have been continuously improving our products energy efficiency, such as the new Nimbus III LED High bay which achieves energy efficiency of 160lm/W



### Ultra high efficiency

This Logo applies to all products that have an energy efficiency of 120lm/W or higher



# CIRC4Life

A circular economy approach for lifecycles of products and services  
A project under EU Horizon 2020 research and innovation programme

CIRC4Life ("A circular economy approach for lifecycles of products and services") is an international collaborative innovation project supported by the European Commission's H2020 Circular Economy programme. The project consortium consists of 17 partners across 8 EU countries.

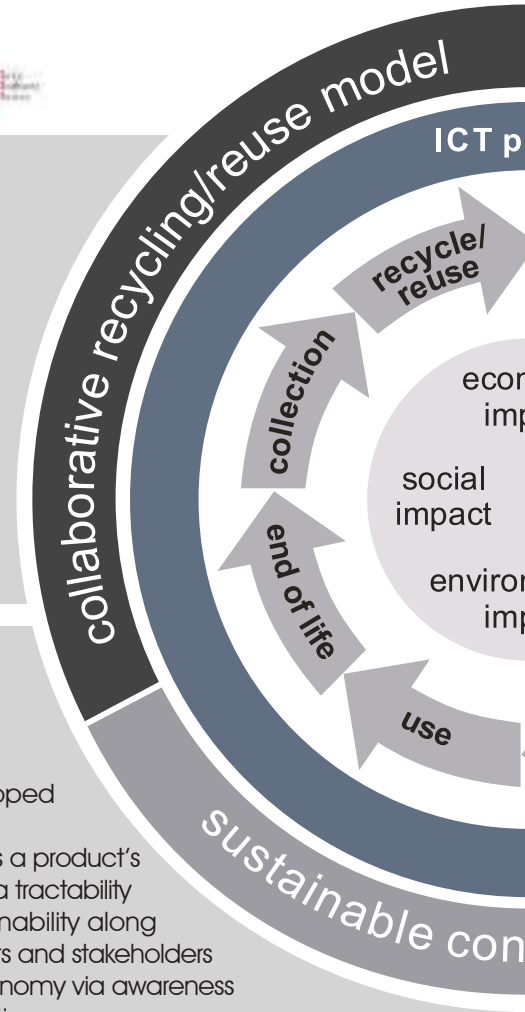
The project budget amounts to €7,228,773 which includes a €6,294,033 grant from the European Commission. This three-year project (which will run from May 2018 until April 2021) aims to develop and implement a circular economy approach for sustainable products and services through their value and supply chains.

The new circular economy business models will be demonstrated on a large scale in four industrial areas: domestic and industrial lighting products, vegetable farming and food, meat supply chain, and recycling and reuse of computer tablets. An ICT platform will be created to support the development, implementation, demonstration, and communication of the project.



**A collaborative Recycling/Reuse model** including a system for stakeholders to interact with each other in order to facilitate the recycling/reuse of end-of-life products and reduce waste. An eco-credits reward scheme to encourage people to recycle/reuse will also be implemented in this business model.

**Kosnic's approach** is to develop a modular luminaire allowing key functional modules such as Drivers, Emergency Gear, LED engines and optics that can be replaced with minimum effort. This extends the overall product life and minimises waste produced. An innovative leasing service business model will include product take-back at the end of contract. This will give us the chance to either refurbish or recycle the materials, helping to minimise waste to the landfill.



Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020) – in addition to the private investment that this money will attract. It promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market.

This project has received funding under the European Union's Horizon 2020 research and innovation programme under Grant agreement No.776503



[www.circ4life.eu](http://www.circ4life.eu)

## A sustainable consumption model

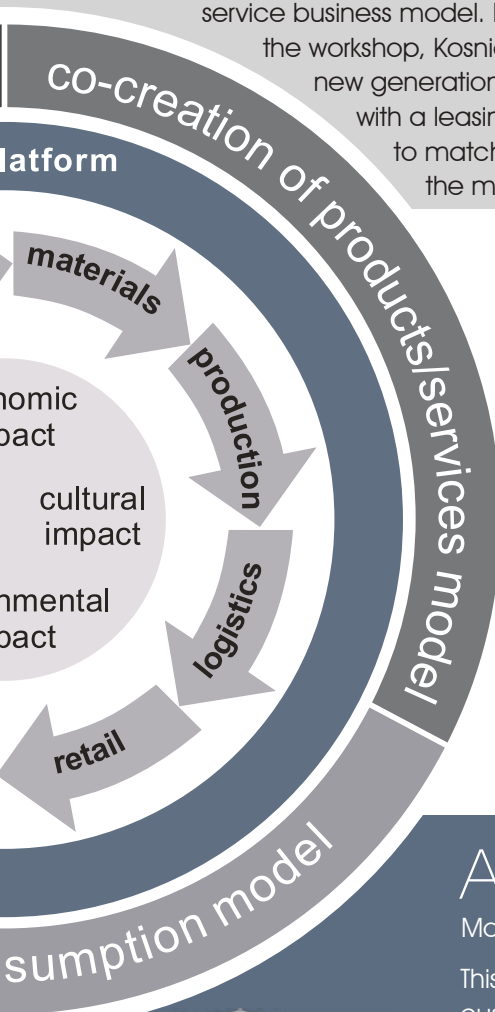
in which a method to calculate the eco-points of products will be developed based on the outcome of the FP7 myEcoCost project. This aims to assess a product's environmental footprint (PEF), provide a tractability solution to monitor a product's sustainability along the value chain, and support end-users and stakeholders to actively implement the circular economy via awareness raising and knowledge sharing activities.

**Kosnic's objective** is to maximise the life and energy efficiency of our lighting products, therefore reducing our luminaires ECO points. (ECO points are calculated through LCA methodology. The higher the ECO points, the higher the impact to the environment).

## Co-creation of Products and Services model

which will bring end-users closer to the design and manufacturing phases by identifying consumer preferences. These will be identified via big-data online mining of product reviews and evaluating product specifications/prototypes via Living Lab activities to include end-user requirements. Benefiting from the co-creation features, sets of sustainable production methods will be implemented, and new products/services will be created.

**Kosnic's Co-creation workshop** took place at the LIA (Lighting Industry Association) in May 2019. Volunteers from various sectors of the UK electrical industry attended this two-day workshop, and using their rich experience and vast industrial insight, they helped to contribute to the design of our modular industrial luminaire. There was also comprehensive discussion on the feasibility and various potential implementation methods of a lighting leasing service business model. Based on the outcome of the workshop, Kosnic has worked to develop a new generation of industrial LED luminaires, with a leasing service business model to match, which will be deployed to the market.



## Kosnic Lighting & CIRC4Life

It has always been at the core of Kosnic's values to develop and produce environmentally friendly lighting products with extra-long life and higher energy efficiency. Under the scope of this project, we have been given great support to perform comprehensive assessments on the environmental impact of our products, and therefore the scope to make necessary improvements.

Kosnic is a member of the project consortium as an industrial partner and demonstrator, representing the industrial lighting market sector. We have been tasked with the creation of a modular industrial luminaire and leasing service business model to offer improved sustainability by implementing and embracing the new CEBMs (Circular Economy Business Models).

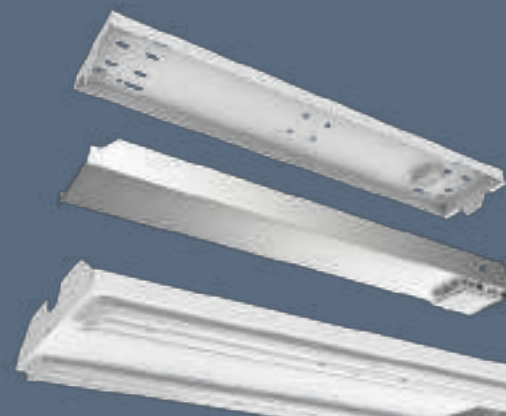
### Arcus II

Modular LED low bay with high efficiency

This new generation of LED luminaire comprises customisable functional modules:

- Plug-in drivers
- Plug-in motion and daylight sensor
- Plug-in Emergency module
- Various option of optic lens

See page 166 for details





# About Us

Since our inception in 2004, Kosnic Lighting has rapidly become a leading designer, manufacturer and established expert in emergency lighting, luminaires, LED lamps and bespoke lighting solutions.

With a product portfolio of over 1000 lines, our Luminaires, modules and LED lamps are widely recognised amongst the most cutting-edge, reliable and wide-ranging products on the market. Serving residential, commercial and public sector lighting requirements, Kosnic delivers quality, cost-effective and environmentally responsible LED lighting solutions.

An independent British company, Kosnic Lighting's headquarters are in Newbury, Berkshire, with manufacturing bases located in the UK and China. In addition, Kosnic has a dedicated research laboratory, the Kosnic Technology Centre based in Shanghai, dedicated to advancing lighting controls, emergency lighting and the cost-saving potential of LED technology for our customers.

## **Dedicated to Design, Manufacture and Distribution**

LED technology is revolutionarily changing the lighting industry. With our own dedicated research laboratory, the Kosnic Technology Centre in Shanghai, we are able to drive the transformation in LED technology and develop new production methods.

KTC engineers with extensive experience in lighting design, electronics, heat management and manufacturing process collaborate on the development of LED lamps, luminaires and control gears.

We are completely unique as a UK based lighting company in complete control of the supply chain from design, specification, manufacture, import and distribution. By specifying all of our own components, it gives us fantastic quality and flexibility ahead of the competition.

At Kosnic, we aim to anticipate the future needs of our customers. As well as remaining at the forefront of LED innovation, that means offering the very highest standards of service to all customers.

We're known for our friendliness and the fact that we aim to give our customers a personal, engaging service.

## **Export**

In 2010, our Export department was created. As a result, we now have over 50 distributors in more than 20 Countries in 4 Continents – all of whom are looked after by a dedicated team.

Due to growing success, Kosnic France was then created in 2015 to better serve customers in France and other French speaking countries.

We are always interested in finding new business partners and expanding our network of overseas distributors. If you are interested in representing our product, we would like to hear from you.



### Warehouse

Our warehouse has trebled in capacity over recent years to 35,000 square feet. This allows us to ensure that most deliveries can be despatched on the same day that the order is placed.

We also reuse and recycle packaging wherever possible, to ensure nothing is wasted.

### Customer Service

At Kosnic Lighting our customers are important to us. Our dedicated Customer Service Team is available Mon-Fri to help with any queries you may have, from our order processing team who ensure your orders are processed on time and to help with any queries you might have, right through to our Returns Team who are ready to resolve any issues.

### Sales Team and Business Development Managers

Our Business Development Managers are dedicated to providing all the information you might need to help promote the Kosnic Lighting range. We help our customers sell quality products at the best prices.

## Showroom & Meeting Rooms

Since 2015 our showroom facility has been demonstrating the latest in Kosnic LED technology. The sleek design shows off fully working products to highlight every feature. The showroom is continually being updated to reflect every evolving catalogue, Kosnic wants to ensure that visitors don't miss out. As well as the advanced showroom Kosnic offer a variety of meeting rooms, including a large boardroom.

Our showroom and meeting room facilities are for our distributors and wholesalers looking to host sales events, technical training or simply to see what is possible through LED lighting. To find out more about booking the venue or visiting the showroom please contact your local sales representative or contact the sales office.

**Email: [marketing@kosnic.com](mailto:marketing@kosnic.com)**  
**Tel: 01635 523 713**



Conference room



Showroom

# Project & Specification

At Kosnic, the design, development and manufacture of low energy LED solutions is our business. So is helping our customers think about their lighting and how it can help combat ever increasing energy prices, reduce energy consumption and lower carbon emissions.

Lighting will typically account for around 25% to 40% of a buildings energy usage, Kosnic LED lighting can dramatically reduce this, using between 50% and 90% less energy than traditional lamp types such as halogen, fluorescent or filament.

## What We Do

Services available to you include:

- Client liaison, site surveys and on-site commissioning
- Cost of ownership calculations
- Lighting design schemes
- Technical support
- Sales tools and product selection advice

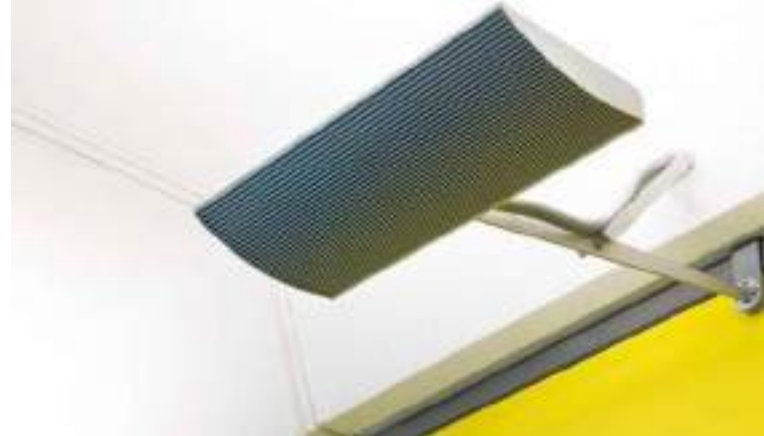
Working closely with our Wholesale and Distribution partners, our aim is to help you build a compelling business case to persuade customers of the benefits of switching to a Kosnic LED solution.



Kosnic's Project Team can create a lighting scheme for your clients using Industry recognised RELUX software.

*Image 1: False colour rendering*

*Image 2: Visual 3D render*



## Client Liaison, site surveys and on-site commissioning

To enable us to build a picture of the project, provide accurate replacement models and cost saving calculations, we require information such as the type of lamps currently being used, quantities involved, working areas and usage. Depending on the complexity and scale of the project, we will visit the premises to conduct a site survey. We are also happy to provide training and help setting up a selection of our sensors and controls on-site.

## Cost Of Ownership Calculations

After conducting a site survey, we will prepare a detailed cost analysis to present to both you and the client. Our cost of ownership calculator highlights the key comparisons between existing lamps and the proposed Kosnic LED replacement, showing the overall annual spend reduction, kWh reduction, CO2 emission reduction and payback period. Whatever the size of the project, helping secure the clients approval is our aim.

## Lighting Schemes

At Kosnic, our technical expertise and experience within the lighting industry allows us to develop lighting schemes that are as positive for people as they are sustainable for the environment and for business.

The Project Team can create a lighting scheme for your clients using industry recognised RELUX software. Once the design criteria such as room dimensions, ceiling height and working area have been established, we can present a professional 3D design visual back to the client.

This can even include elements such as work surfaces, tables, windows and chairs.

Of course, if you already have an in-house lighting design team, we are happy to work alongside you and provide the necessary specification and photometric data required.

## Relux

In 2015, Kosnic Lighting entered into a new partnership with Relux Informatik AG Switzerland, the international lighting planning software expert. Kosnic's lighting solutions are now featured on the Relux platform to assist the industry in its lighting planning.

**For more information on any of the above email [project@kosnic.com](mailto:project@kosnic.com)**



# E-catalogue

Think about using our e-catalogue to help use less paper 

- **Scan the below QR code**

to take you straight to our easy to view e-catalogue

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e-catalogue



## #Kosnic



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Connect with us on LinkedIn to read our latest industry news and product articles.



Head over to our YouTube channel to look at our videos.



Keep up to date with the latest news, events, videos & much more by following our accounts:



Kosnic Lighting Ltd



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[KosnicLightingLtd](https://www.facebook.com/KosnicLightingLtd)

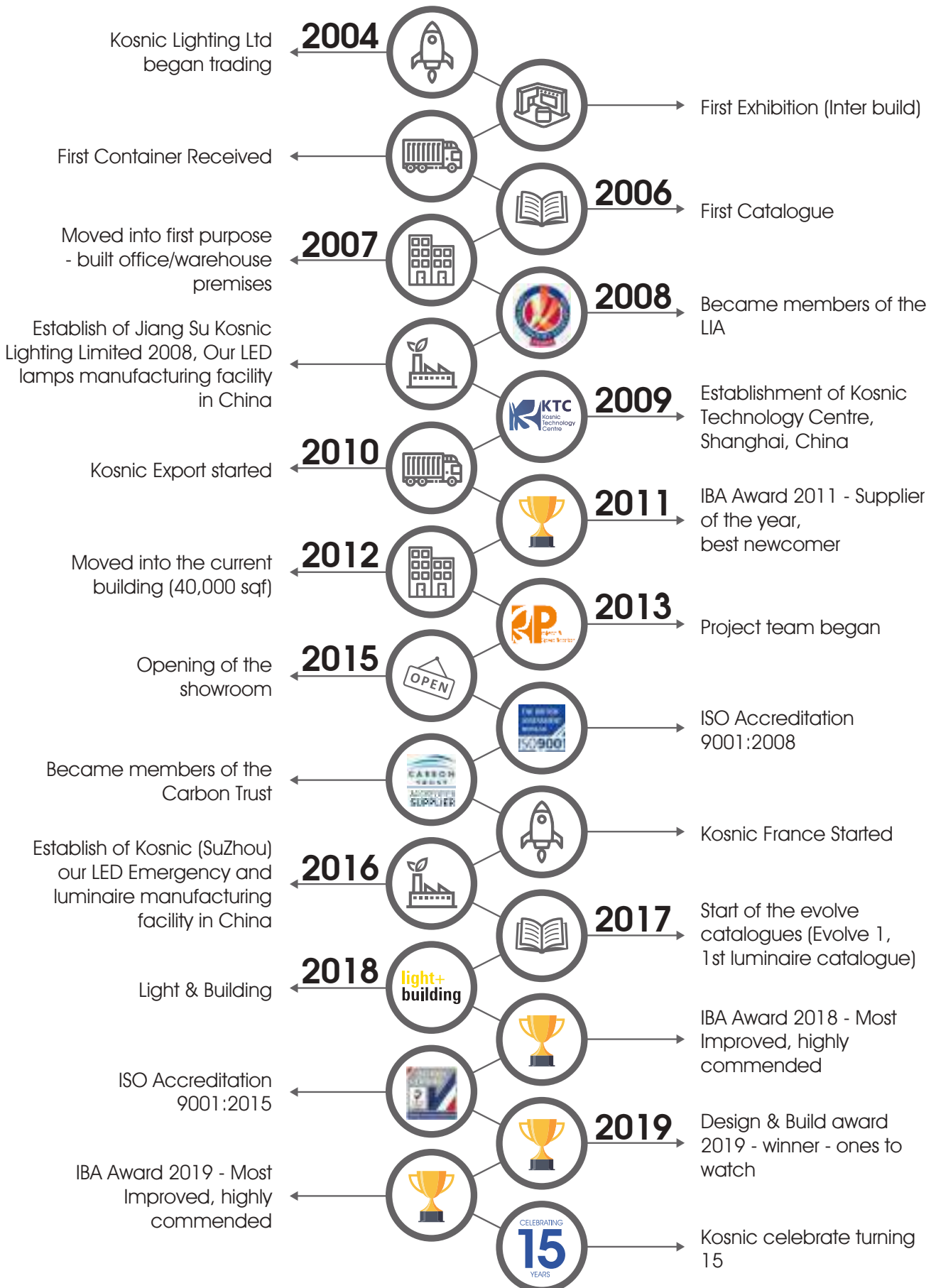


[Kosnic Lighting](https://www.linkedin.com/company/Kosnic%20Lighting)

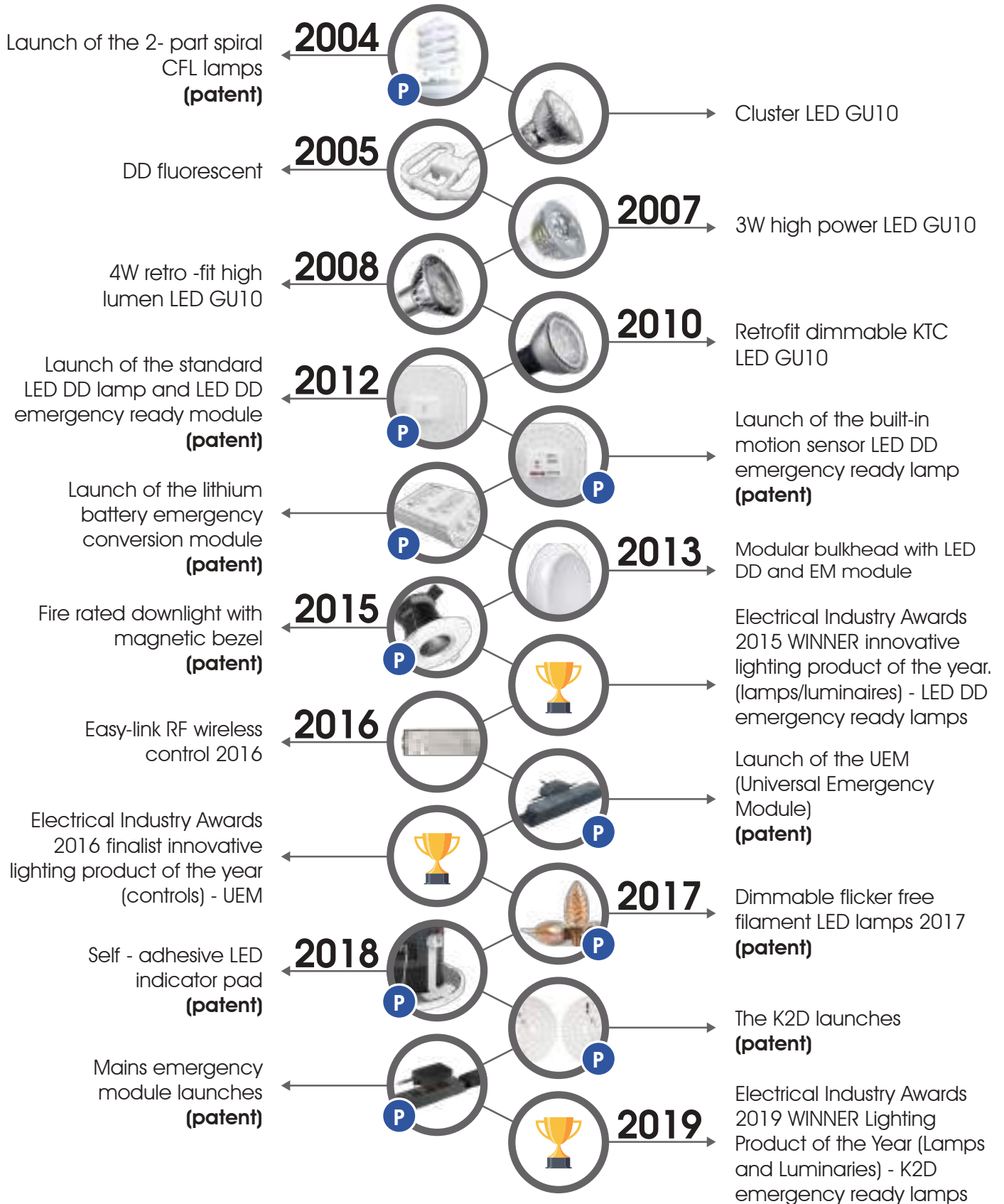


e-catalogue

# History of Kosnic



# History Of Kosnic's Key Product Launch and Innovations



# Warranties\*

## Emergency

All emergency modules and fittings have a 3 year warranty

**3 Years**  
Standard warranty

**5 Years**  
Extended warranty

**4 Years**  
Battery Standard warranty

To extend the warranty, just fill in an application form, which can be found on our website.

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## Luminaire (standard warranty)

All our luminaires have 3 year or 5 year standard warranty

**3 Years**  
Standard warranty

**5 Years**  
Standard warranty

## Luminaire (extended warranty)

**5 Years**  
Extended warranty

**7 Years**  
Extended warranty

**10 Years**  
Extended warranty

To extend the warranty, just fill in an application form, which can be found on our website.

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## Lamps

All our LED lamps come with a minimum 2 years warranty.

**2 Years**  
Standard warranty

**3 Years**  
Standard warranty

**5 Years**  
Standard warranty

This is then extended to 3 years for LED lamps stating an average life of 30,000h.

To apply for an extended warranty simply visit our website [kosnic.com/extended-warranty](http://kosnic.com/extended-warranty)

\*full warranty policy at the back of catalogue\*

# Icon guide

## Product features



**DALI & 1-10V(0-10v)**  
Dimmable Options



**50mm**  
Cut-out



**60 minutes**  
Fire rating



**110V**  
Input voltage



**110-240V**  
Input voltage



**3 Years**  
Standard Warranty



**5 Years**  
Standard Warranty



**5 Years**  
Extended Warranty



**7 Years**  
Extended Warranty



**10 Years**  
Extended Warranty



**1000V**  
Surge Protection



**2000V**  
Surge Protection  
(L to GND)

## Modular and Multi-setting



Built-in emergency



Plug-in emergency



Add-on emergency



Built-in motion sensor



Plug-in On/Off sensor



Plug-in Corridor sensor



Add-on sensor



Dusk to dawn sensor



CCT switching



Wattage switching



Interchangeable ring



Flicker free



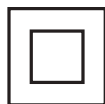
Battery warranty

## Common industry standard symbols

Can be found on datasheets, products and product packaging.



Class I  
Luminaires with  
Earth Connection



Class II  
Luminaires with  
Double Insulation



Class III  
Luminaires with  
Supply of Safety  
Extra Low Voltage (SELV)



Suitable for  
internal use only



Suitable for  
external use only



Suitable for internal  
and external use



Weee - recycling



Safety Extra Low  
Voltage (SELV)



Do not cover with  
insulation



Do not stare at light  
source



Independent lamp  
control gear



CE Marking

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Street Light  
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Retail & Display  
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LED Commercial Lamp  
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Halo Lamp  
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**NEW** Available  
Sep 2021

Estimated available  
time of new  
products

**SPEC LINE**

Specification product,  
lead time dependant by  
quotation only.

\*Cancellation fee of 25% applies after  
1 week from order date

**Upgrade**  
Sep 2021

Estimated available  
time of upgraded  
products

**SEASONAL LINE**

Product available from  
October whilst stocks  
last

# New Products

Microwave Motion Sensor



P18

Integrated LED Driver with Sensor



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Side-Mount Motion Sensor



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Recessed Motion Sensor



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UEM II



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Orda II



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Alden  
(595 X 595, 295 X 1195)  
& 595 X 1195)



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Alden-Pro  
(595 X 595)



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Blanca-i Pro



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Ossa-i



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Polo



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Viso-i



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Kaz



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Kabru



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Arno-Pro



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Isar



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Nile II



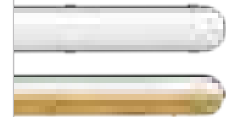
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# Multi-Setting Products

## Switchable CCT

Alden-Pro  
(595mm X 595mm)



3000K / 4000K / 6500K

Ossa-i



3000K / 4000K / 5000K

Polo



3000K / 4000K / 5000K

Meola



3000K / 4000K / 6500K

Viso-i



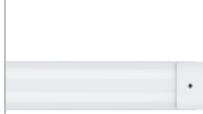
3000K / 4000K / 5000K

Kabru



3000K / 4000K / 6500K

Lena



3000K / 4000K / 6000K

Niva II



3000K / 4000K / 6000K

Slim-Line II



3000K / 4000K / 6000K

Kennet



3000K / 4000K / 6000K

Congo



3000K / 4000K / 6000K

Volta III



3000K / 4000K / 6000K

Mauna Plus Fixed



3000K / 4000K / 6000K

Mauna Plus Tilt



3000K / 4000K / 6000K

Mauna Pro



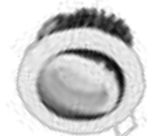
3000K / 4000K / Dim to warm

Telica Fixed



2700K / 4000K / 6500K

Telica Tilt



2700K / 4000K / 6500K

Napa



3000K / 4000K / 6000K

Naso



3000K to 6000K

Ventas



3000K / 6500K

## Switchable Wattage

Kali-Pro  
(595mm X 595mm)



23W / 28W  
27W / 36W

Kali-Standard  
(1195mm X 595mm)



60W / 80W

Twin Bar  
(595mm X 595mm)



30W / 40W

Milo



23W / 28W (4ft)  
30W / 40W (5ft)














Havasú



80W / 100W / 120W / 150W  
200W / 240W



## Switchable CCT + Switchable Wattage

<p>Alden-Pro (1195mm X 295mm)</p>  <p>3000K / 4000K / 5000K 27W / 36W</p>	<p>Alden-Pro (1195mm X 595mm)</p>  <p>3000K / 4000K / 5000K 54W / 72W</p>	<p>Nevis (595mm X 595mm)</p>  <p>3000K / 4000K / 5000K 23W / 28W</p>	<p>Kurve (595mm X 595mm)</p>  <p>3000K / 4000K / 5000K 30W / 40W</p>	<p>Blanca-i Pro</p>  <p>3000K / 4000K / 5000K 9W / 12W / 18W</p>
<p>Trent</p>  <p>3000K / 4000K / 6000K 20W / 25W / 30W / 35W (4ft) 27W / 34W / 41W / 48W (5ft) 35W / 44W / 53W / 62W (6ft)</p>	<p>Arno-Pro</p>  <p>3000K / 4000K / 6000K 18W / 32W (4ft) 36W / 48W (5ft)</p>	<p>Arno-Retro</p>  <p>3000K / 4000K / 6000K 18W / 32W (4ft) 36W / 48W (5ft)</p>	<p>Toba</p>  <p>3000K / 4000K / 6500K 10W / 15W / 18W</p>	<p>Faceta</p>  <p>3000K / 4000K / 5000K 6W / 10W 16W / 20W 22W / 26W</p>
<p>Atami</p>  <p>3000K / 4000K / 5000K 7W / 15W 20W / 30W</p>	<p>K2D Standard</p>  <p>3000K / 4000K / 5000K 9W / 12W / 18W</p>	<p>K2D Sensor</p>  <p>3000K / 4000K / 5000K 9W / 12W / 18W</p>		

Wattage and CCT in black are the default settings

1  
Control



Microwave Motion Sensor 18



Integrated LED Driver with Sensor 19



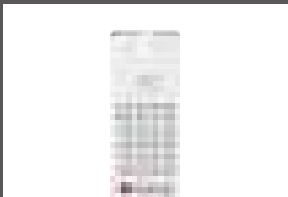
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Side-Mount Motion Sensor 21



Recessed Motion Sensor 22



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Dimmable Driver 25



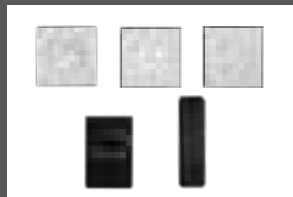
Constant Voltage Driver 26



EasyLINK RF Driver 28



EasyLINK RF Triac Dimmer 29



EasyLINK RF Wireless Switches 30

**NEW** Available May 2021

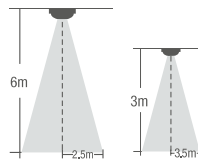
# Microwave Motion Sensor

Plug in microwave motion and daylight sensor

- Optional corridor function
- Powered by low voltage 12V DC
  - PWM (5V DC) control output
  - Mounting height up to 6m
    - Super compact design
- Sensor setting with DIP switch
- Easy install on a wide range of Kosnic products including selected integrated bulkheads, linear luminaires and low bays



### Detection Range



Detection radius (at 6m and 3m height)		
100%	3m	3.5m
75%	2m	2.5m
50%	1m	1.5m
25%	-	1m

ON	1
I	ON 100%
II	- 50%

### Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

ON	2	3
I	ON ON	8s
II	- ON	30s
III	ON -	3min
IV	- -	30min

### Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

ON	4	5
I	ON ON	0s
II	- ON	30s
III	ON -	3min
IV	- -	+∞

### Stand-by Period

This is the period which the light source will remain illuminated at the Stand-by Dim Level once presence has ended.

ON	6	7
I	ON ON	5Lux
II	- ON	15Lux
III	ON -	50Lux
IV	- -	Disable

### Daylight Sensor

The sensor can be set to prevent illumination when the ambient light is above the daylight threshold. When set to disabled, the sensor will switch the light on when presence is detected regardless of the ambient light level.

ON	8
I	ON 50%
II	- 25%

### Stand-by Dim Level

This is the lighting level for the Stand-by Period.

**5** Years Standard Warranty

**7** Years Extended Warranty

### Recommended product

#### Surface Luminaire



- Blanca-i ↪ P87
- Blanca-i Pro ↪ P89
- Ossa-i ↪ P94
- Polo ↪ P99
- Viso-i ↪ P105

#### Linear Luminaire



- Lena ↪ P115
- Ano-Pro ↪ P121
- Ano-Retro ↪ P122
- Kennet ↪ P124
- Congo ↪ P131

#### High Bay & Low Bay



- Arcus II ↪ P187
- Arcus-Compact ↪ P188

### General Specification

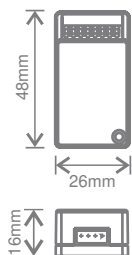
- Voltage 12Vdc
- Transmitting power ≤0.5mW
- Operation Temp -35°C to 60°C



### Order Code

KBTNLS1-MWS2

### Dimensions



Order Code	Detection Angle	Control Output	Trade Price
KBTNLS1-MWS2	150° wall mounting 360° ceiling mounting	ON/OFF, Dimming (PWM)	£25.06

**NEW** Available Aug 2021

# Integrated LED Driver with Sensor

Dimmable LED driver for edge-lit panels with integrated sensor

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

Recommended product

**Panel & Modular Luminaire**



- Kali-Pro ↪ P70
- Kali-Standard ↪ P71-73
- Kali-Surface Mount ↪ P74
- Twin Bar ↪ P75

**Linear Luminaire**



Milo ↪ P125

- Configurable output current ranging from 700mA to 1050mA
- All sensor parameters can be set by DIP switch
- Flicker free
- High sensitivity which detects micro movement suitable for office and classroom applications
- Easy to install on Kosnic edge-lit panels
- The sensor is not visible from the front of the panel.



**General Specification**

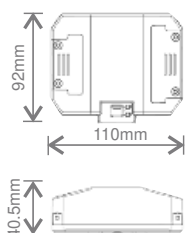
Voltage 220-240Vac  
50Hz  
Efficiency ≥88%  
Power Factor ≥0.9  
Transmitting power <0.5mW  
Operation Temp -25°C to 45°C



**Order Code**

CYS40PRS-PNL

**Dimensions**



ON		1	
I	ON	100%	
II	-	50%	

**Detection Area**

This is the sensitivity of the sensor. On maximum, the sensor will detect movement up to 5m from the sensor. Detection area is affected by object size and motion speed.

ON		2	3	
I	ON	ON	5S	
II	ON	-	5min	
III	-	ON	15min	
IV	-	-	+∞	

**Hold Time**

This is the time that the light will remain on after presence is no longer detected.

ON		4	5	
I	ON	ON	50Lux	
II	ON	-	150Lux	
III	-	ON	300Lux	
IV	-	-	Disable	

**Daylight Sensor**

The sensor can be set to prevent illumination when the ambient light is above the daylight threshold. When set to disabled, the sensor will switch the light on when presence is detected regardless of the ambient light level.

ON		1	2	
I	ON	ON	0s	
II	ON	-	10min	
III	-	ON	30min	
IV	-	-	+∞	

**Stand-by Period**

This is the period which the light source will remain illuminated at the Stand-by Dim Level once presence has ended.

ON		3	
I	ON	10%	
II	-	35%	

**Stand-by Dim Level**

This is the lighting level for the Stand-by Period.

ON		5	
I	ON	Disable*	
II	-	Active*	

**Sensor**

Set the sensor to active or disabled mode. In disabled mode the sensor will be overridden and stay on.

ON		1	2	3	4	
ON	ON	ON	ON	ON	ON	1050mA
ON	ON	ON	-	ON	ON	1000mA
-	ON	ON	-	ON	ON	950mA
ON	-	ON	-	ON	ON	900mA
-	-	ON	-	ON	ON	850mA
-	ON	-	-	ON	ON	800mA
ON	-	-	-	ON	ON	750mA
-	-	-	-	ON	ON	700mA

**Output Current**

Order Code	Max Load	Detection Angle	Control Output	Trade Price
CYS40PRS-PNL	44W	360° ceiling mounting	ON/OFF, Dimming (PWM)	£91.23

On site commissioning available upon request

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

# Presence Sensor

Microwave presence sensor for LED panels

- Easy to install on Kosnic edge-lit LED panels
- The sensor is not visible from the front of the panel
- High sensitivity which detects micro movement

Recommended product

**Panel & Modular Luminaire**



- Kali-Pro ↪ P70
- Kali-Standard ↪ P71-73
- Kali-Surface Mount ↪ P74
- Twin Bar ↪ P75

**Linear Luminaire**



- Milo ↪ P125



**General Specification**

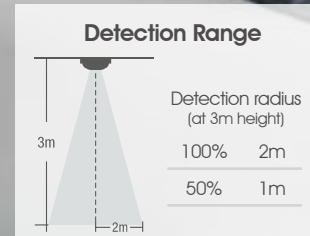
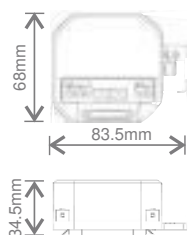
Voltage 220-240Vac  
50Hz  
Transmitting power <0.5mW  
Operation Temp -25°C to 55°C



**Order Code**

CYS-PRS-PNL

**Dimensions**



ON	1	Mode
I	ON	Active
II	-	Disable

Set the sensor to active or disabled mode. In disabled mode the sensor will be overridden and stay on.

ON	2	Sensitivity
I	ON	100%
II	-	50%

Set the sensitivity level.

ON	3	4	5	6	Hold Time
I	ON	ON	ON	ON	5s
II	-	ON	ON	ON	30s
III	ON	-	ON	ON	90s
IV	ON	ON	-	ON	3min
V	ON	ON	ON	-	20min
VI	-	-	-	-	30min

This is the time that the light will remain on after presence is no longer detected.

ON	1	2	3	4	Daylight Sensor
I	ON	ON	ON	ON	25Lux
II	ON	ON	ON	-	50Lux
III	ON	ON	-	ON	100Lux
IV	ON	ON	-	-	250Lux
V	ON	-	ON	ON	300Lux
VI	ON	-	-	-	500Lux
VII	-	ON	ON	-	Disable

The sensor can be set to only allow illumination when the ambient light drops below a defined level. When set to disabled, the sensor will switch the panel on when presence is detected regardless of the ambient light level.

Order Code	Max Load	Detection Angle	Control Output	Trade Price
CYS-PRS-PNL	400W	360° ceiling mounting	ON/OFF	<b>£51.30</b>

On site commissioning available upon request

**NEW** Available  
May 2021

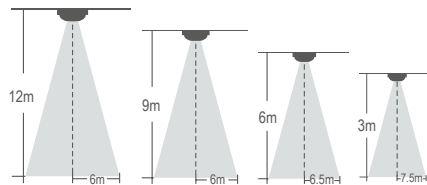
# Side-Mount Motion Sensor

Microwave motion sensor with optional remote control

- Automatic switching based on presence and ambient light sensing
  - Easy to install on Kosnic LED High Bay
- Microwave & Light Sensor with Remote Control Setting
  - Supports high-sensitivity and low-sensitivity modes (for metal ceilings, metal reflector mounting environments)
  - Saves more energy



### Detection Range



Detection radius  
(at 12m, 9m, 6m and 3m height)

100%	6m	6m	6.5m	7.5m
75%	3.5m	4m	5m	7m
50%	-	2m	3m	6m
25%	-	-	2m	5.5m

Order Code	Max Load	Detection Angle	Control Output	Trade Price
KLBAL1-MWS	400W(inductive) 800W(resistive)	150° wall mounting 360° ceiling mounting	ON/OFF	<b>£58.21</b>

### Accessories

Order Code	Description	Trade Price
KPT-MWS-CON	Remote Control for Microwave Sensor	<b>£54.57</b>

On site commissioning available upon request

**5** Years  
Standard Warranty

**7** Years  
Extended Warranty

Recommended product

High Bay & Low Bay



Arcus II [P187](#)



Remote Control

### General Specification

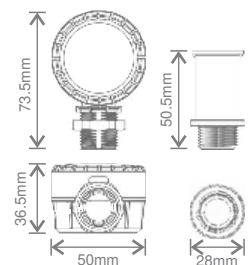
Voltage 120-277Vac  
50-60Hz  
Transmitting power ≤0.5mW  
Operation Temp -35°C to 55°C



### Order Code

KLBAL1-MWS

### Dimensions



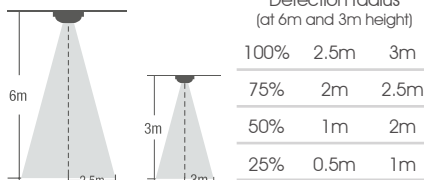
# Recessed Motion Sensor

## Microwave & Light Sensor with Remote Control Setting

- Suitable for basic on-off control or control of 1-10V dimmable luminaires
  - Discrete flush mounting
  - Optional daylight harvesting
  - Optional stand-by dimming
- Minor motion sensitivity suitable for office and classroom applications
  - Parameters settable by DIP switches or remote control
  - Up to 800W inductive load capacity
    - Push-fit terminals
  - Pre-programmed scene selections



### Detection Range



ON	1	
	I ON	Test
II	-	Normal

### Test Light

This turns the green sensing indicator on in Test mode to aid commissioning. In normal operation this should be turned off.

ON	2	
	I ON	100%
II	-	50%

### Detection Area

This is the sensitivity of the sensor. On maximum, the sensor will detect movement up to 5m from the sensor. Detection area is affected by object size and motion speed.

ON	3	4	5		
	I ON	ON	ON	5s	
	II	-	ON	ON	30s
	III	ON	-	ON	1min
	IV	-	-	ON	3min
	V	ON	ON	-	20min
VI	-	-	-	30min	

### Hold Time

This is the time that the light will remain on after presence is no longer detected.

ON	6	7	8	9		
	I ON	ON	ON	ON	5Lux	
	II	-	ON	ON	ON	15Lux
	III	ON	-	ON	ON	30Lux
	IV	-	-	ON	ON	50Lux
	V	ON	ON	-	ON	100Lux
	VI	ON	ON	ON	-	150Lux
	VII	-	-	-	-	Disable

### Daylight Sensor

The sensor can be set to prevent illumination when the ambient light is above the daylight threshold. When set to disabled, the sensor will switch the light on when presence is detected regardless of the ambient light level.

ON	1	2	3		
	I ON	ON	ON	0s	
	II	-	ON	ON	1min
	III	ON	-	ON	3min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
VI	-	-	-	+∞	

### Stand-by Period

This is the period which the light source will remain illuminated at the Stand-by Dim Level once presence has ended.

ON	4	5	
	I ON	ON	10%
	II	ON	20%
	III	-	ON
IV	-	-	50%

### Stand-by Dim Level

This is the lighting level for the Stand-by Period.

Order Code	Max Load	Detection Angle	Control Output	Trade Price
KPT-MSA012-MWS	800W(inductive) 1000W(resistive)	150° wall mounting 180° ceiling mounting	ON/OFF, Dimming (1-10V)	£82.18

### Accessories

Order Code	Description	Trade Price
KPT-MWS-CON	Remote Control for Microwave Sensor	£54.57

On site commissioning available upon request

**5** Years Standard Warranty

**7** Years Extended Warranty

### Recommended product

for corridor function and daylight harvesting (when use with 0-10V driver)

### Panel & Modular Luminaire

- Alden ↪ P66
- Alden-Pro ↪ P67
- Kali-Pro ↪ P70
- Kali-Standard ↪ P71-73
- Kali-Surface Mount ↪ P74
- Twin Bar ↪ P75
- Nevis ↪ P76
- Kurve ↪ P79
- Pyramid II ↪ P80

### Linear Luminaire

- Milo ↪ P125

### Fire rated & commercial Downlight

- Faceta ↪ P163



Remote Control

### General Specification

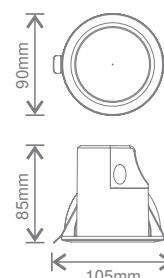
Voltage 120-277Vac  
50-60Hz  
Transmitting power ≤0.5mW  
Operation Temp -25°C to 55°C



### Order Code

KPT-MSA012-MWS

### Dimensions





**5** 5 Years  
Standard Warranty

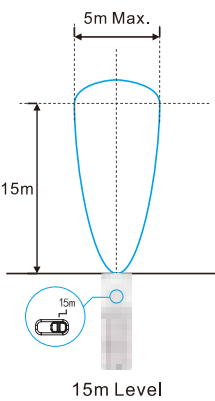
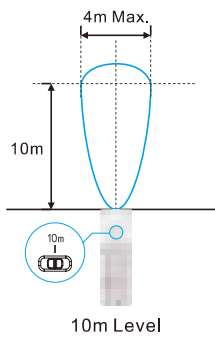
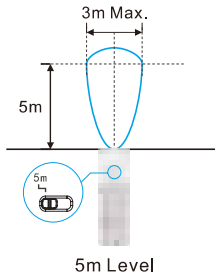
**7** 7 Years  
Extended Warranty

Recommended product

Side-Mount  
Motion Sensor ↪ P21

Recessed  
Motion Sensor ↪ P22

Nimbus sensor ↪ P191



**Order Code**

KPT-MWS-CON

**Dimensions**



# Remote Control

## Microwave Sensor Remote Control

- Suitable for controlling multiple sensors
- Daylight harvesting control available with selected sensors
- Compatible with a wide variety of Kosnic products

Button	Remarks																												
	Press the "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled. Press any button to quit from this mode and the sensor starts to work.																												
	Press "Reset" button, all parameters are same as setting of DIP switch or factory settings.																												
	Press "Sensor motion" button, the light quits from the constant on/off mode, and the sensor starts to work (The latest setting stays in validity)																												
	Press "DIM Test" button, the 1-10V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically.																												
	Short press "DIM+/DIM-" button to transmit dimming signal. The brightness of the lamp adjusts at 5% per unit. (not applicable for MC054V RC 2)																												
	Long press >=3s, sensor will take current light level as target lux level, to dim up/down load automatically according to the change of ambient light level. (not applicable for MC054V RC 2)																												
	<table border="1"> <thead> <tr> <th>Scene Options</th> <th>Detection Area</th> <th>Hold Time</th> <th>Stand-by period</th> <th>Stand-by dim level</th> <th>Daylight Sensor</th> <th>Induction model</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>30S</td> <td>1min</td> <td>10%</td> <td>5Lux</td> <td>Hs</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>1min</td> <td>3min</td> <td>10%</td> <td>10Lux</td> <td>Hs</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> <td>Hs</td> </tr> </tbody> </table> <p>Note: Detection area / Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.</p>	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	30S	1min	10%	5Lux	Hs	QS2	100%	1min	3min	10%	10Lux	Hs	QS3	100%	5min	10min	10%	30Lux	Hs
Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model																							
QS1	100%	30S	1min	10%	5Lux	Hs																							
QS2	100%	1min	3min	10%	10Lux	Hs																							
QS3	100%	5min	10min	10%	30Lux	Hs																							
	Press the "TEST 2S" button can enter the test mode anytime. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 2s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing "RESET" or any other function buttons.																												
	Press "HS" button to set the detection area to be high sensitive. Press "LS" button to set the detection area to be low sensitive. The adjustment bases on the "Detection Area" parameter you set.																												
	Daylight Sensor Set up daylight threshold: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/ Disable																												
	Stand-by period Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞																												
	Hold time Set up hold time: 5S/30S/1min/3min/5min/10min/20min/30min																												
	Stand-by dim level Set up stand-by dim level: 10%/20%/30%/50%																												
	Detection Area Set up detection area: 25%/50%/75%/100%																												
	Remote Distance Toggle bottom can set the remote distance of remote control and sensor.																												

Order Code	Description	Trade Price
KPT-MWS-CON	Remote Control for Microwave Sensor	£54.57

# Daylight Harvesting Control

Daylight harvesting control gear with integrated daylight sensor & driver

Easy to install on Kosnic edge-lit LED panels

- The sensor is not visible from the front of the panel
- Dimming the LED panel according to level of ambient daylight



**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

Recommended product

### Panel & Modular Luminaire



Kali-Pro ↪ P70  
 Kali-Standard ↪ P71, P73  
 Kali-Surface Mount ↪ P74

### Linear Luminaire



Milo ↪ P125

### General Specification

Voltage 220-240Vac  
 50-60Hz  
 Efficiency ≥85%  
 Power Factor ≥0.9  
 Mounting Height 3-4m  
 Motion Detection 0.5-3m/s  
 Operation Temp -35°C to 50°C



### Target Illumination

ON ↑	1	2	3	4	
	ON	ON	ON	ON	450Lux
	ON	ON	ON	-	400Lux
	ON	ON	-	ON	350Lux
	ON	ON	-	-	300Lux
	ON	-	ON	ON	250Lux
	ON	-	-	-	200Lux
	-	ON	ON	-	150Lux
	-	-	-	-	100Lux

### Daylight Adaptive

ON	5	
↑	ON	Active
	-	Disable

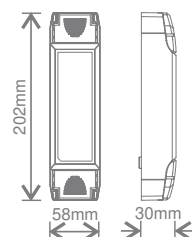
### Output Current

ON ↑	1	2	3	
	ON	ON	ON	1050mA
	ON	ON	-	1000mA
	ON	-	ON	950mA
	ON	-	-	900mA
	-	ON	ON	850mA
	-	ON	-	800mA
	-	-	ON	750mA
	-	-	-	700mA

### Order Code

CYS50DLH-PNL

### Dimensions



Order Code	Power	Output Current	Output Voltage	Trade Price
CYS50DLH-PNL	42-38W	1050-950mA	30-40Vdc	<b>£95.84</b>
	41W	900mA	30-46Vdc	
	40.8-33.6W	850-700mA	30-48Vdc	

On site commissioning available upon request

# Dimmable Driver

DALI 2, 1-10V (0-10V) & PUSH button dimmable driver

- Flicker free for entire dimming range
- Stand-by power below 0.5W
- Configurable output current with DIP switches



### Output Current

CYC030TDC30-90

ON ↑ ON	1	2	3		
	ON	ON	ON		700mA
	ON	ON	-		600mA
	ON	-	ON		550mA
	-	ON	ON		500mA
	ON	-	-		450mA
	-	ON	-		400mA
	-	-	ON		350mA
	-	-	-		300mA
	-	-	-		250mA

CYC040TDC50-105

ON ↑ ON	1	2	3		
	ON	ON	ON		700mA
	ON	ON	-		500mA
	ON	-	-		350mA
-	-	-		250mA	

CYC050TDC70-140

ON ↑ ON	1	2	3	4	5	6	
	ON	ON	ON	ON	ON	ON	1400mA
	ON	ON	ON	ON	ON	-	1300mA
	ON	ON	ON	ON	-	-	1200mA
	ON	ON	ON	-	-	-	1050mA
	ON	ON	-	-	-	-	900mA
	ON	-	-	-	-	-	800mA
	-	-	-	-	-	-	700mA

Order Code	Max Power	Output Current	Trade Price
CYC030TDC30-90	30W	250-700mA	£68.46
CYC040TDC50-105	40W	250-700mA	£76.65
CYC050TDC70-140	50W	700mA-1400mA	£82.92

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

Recommended product

#### Panel & Modular Luminaire

- Alden → P66
- Alden-Pro → P67
- Kali-Pro → P70
- Kali-Standard → P71, P73
- Kali-Surface Mount → P74
- Twin Bar → P75
- Nevis → P76
- Kurve → P79
- Pyramid II → P80

#### Linear Luminaire

- Milo → P125

#### Fire rated & commercial Downlight

- Telica Fixed → P153
- Telica Tilt → P154
- Nyos → P162
- Faceta → P163

#### Retail & Display

- Avalon → P218
- Maly → P224
- Tatio → P228
- Tatio R → P229

### General Specification

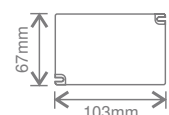
- Voltage 220-240Vac 50Hz
- Power Factor ≥0.83
- Efficiency 91% Max.
- Full-load Output Voltage 6-58Vdc
- Wiring Way Press-in type terminals, 0.75-1.5mm<sup>2</sup>
- Working Temp -25°C to 50°C
- Case Temp 85°C
- Working Humidity 85%



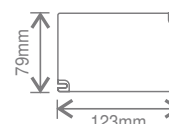
### Order Code

- CYC030TDC30-90
- CYC040TDC50-105
- CYC050TDC70-140

### Dimensions



CYC030TDC30-90



CYC040TDC50-105  
CYC050TDC70-140

**5** 5 Years  
Standard Warranty**7** 7 Years  
Extended Warranty

Recommended product



LED G5.3 ↗ P264



LED AR111 G53 ↗ P266



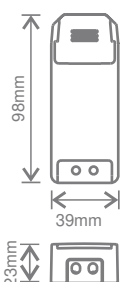
LED MR11 ↗ P268

**General Specification**

Voltage	176-264Vac 50-60Hz
Power Factor	>0.85
Efficiency	≥82 %
Output Voltage	12Vdc
Wiring Way	Screw terminals
Working Temp	-25°C to 50°C
Case Temp	85°C

**Order Code**

CYV015NNC125

**Dimensions**

# Constant Voltage Driver

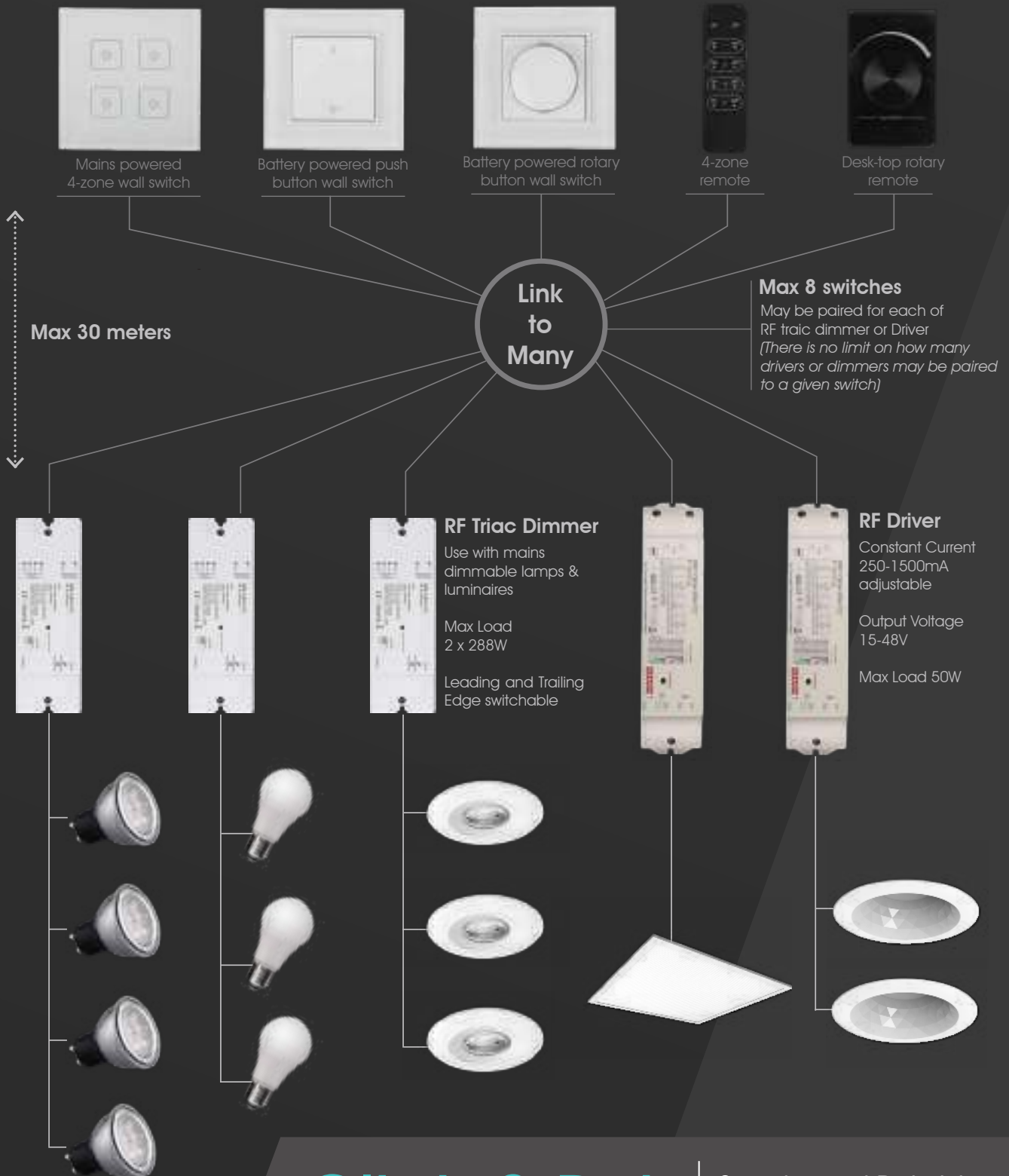
Constant voltage LED driver for G53 lamps

- Constant 12Vdc voltage output
- High efficiency
- Low total harmonic distortion (ripple current)
- Output overload protection with automatic restart
- Output short-circuit shutdown with automatic restart
- Overheating protection
- Class II IP20 independent driver
- 100% full load aging
- SELV equivalent
- Screw terminals



Order Code	Max Power	Output Current	Trade Price
CYV015NNC125	15W	1250mA	£22.12

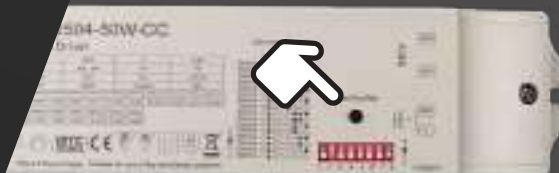
# Wireless EasyLINK <sup>RF</sup>



## Click 2 Pair

Simple and Reliable Link to Many Pairing

1. Click once on the Learning Key button on the RF driver or dimmer unit



2. Click the switch to be paired within 5 seconds.



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty



CSWRF01



CSWRF02



CSWRF03



CSWRF04



CSWRF05

#### Recommended product

##### Panel & Modular Luminaire

- Alden ↗ P66
- Alden-Pro ↗ P67
- Kali-Pro ↗ P70
- Kali-Standard ↗ P71, P73
- Kali-Surface Mount ↗ P74
- Twin Bar ↗ P75
- Nevis ↗ P76
- Kurve ↗ P79
- Pyramid II ↗ P80

##### Linear Luminaire

- Milo ↗ P125

##### Fire rated & commercial Downlight

- Telica Fixed ↗ P153
- Telica Tilt ↗ P154
- Nyos ↗ P162
- Faceta ↗ P163

##### Retail & Display

- Atami ↗ P214
- Avalon ↗ P218
- Maly ↗ P224
- Tatio ↗ P228
- Tatio R ↗ P229

#### General Specification

- Voltage 200-240Vac  
50-60Hz
- Power Factor >0.9
- Efficiency 87%
- Output Voltage 15-48Vdc
- Working Temp -20°C to 45°C
- Case Temp 85°C



#### Order Code

CYC050RFC25-150

#### Dimensions



# EasyLINK<sup>RF</sup>

## RF Dimmable constant current LED driver

- Max. output power 50W
- High power factor and efficiency
- Compatible with a selection of single or multiple zone RF remote controls
- Can be paired with up to 8 RF remote controls
- Suitable for indoor LED lighting applications
- Radio Frequency : 868/869.5/916.5/434mhz
- Short circuit, over voltage and overload protection



#### Output Current

	1	2	3	4	5	6	7	8	
ON	-	ON	-	-	ON	-	-	-	1500mA
	-	ON	-	-	ON	-	-	ON	1400mA
	-	ON	-	-	ON	-	ON	-	1300mA
	-	ON	-	-	ON	-	ON	ON	1200mA
	-	ON	-	-	ON	ON	-	-	1100mA
	-	ON	-	-	ON	ON	-	ON	1000mA
	-	ON	-	-	ON	ON	ON	-	900mA
	-	ON	-	-	ON	ON	ON	ON	800mA

	1	2	3	4	5	6	7	8	
ON	-	ON	-	-	ON	-	-	-	700mA
	-	ON	-	-	ON	-	-	ON	600mA
	-	ON	-	-	ON	-	ON	-	500mA
	-	ON	-	-	ON	-	ON	ON	450mA
	-	ON	-	-	ON	ON	-	-	400mA
	-	ON	-	-	ON	ON	-	ON	350mA
	-	ON	-	-	ON	ON	ON	-	300mA
	-	ON	-	-	ON	ON	ON	ON	250mA

Order Code	Power	Output Current	Output Voltage	Trade Price
CYC050RFC25-150	49.5W	1500mA	15-33Vdc	£125.69
	49.0W	1400mA	15-35Vdc	
	49.4W	1300mA	15-38Vdc	
	49.2W	1200mA	15-41Vdc	
	50.6W	1100mA	15-46Vdc	
	48.0-12.0W	1000-250mA	15-48Vdc	

On site commissioning available upon request

# EasyLINK<sup>RF</sup>

RF wireless AC triac dimmer with leading or trailing edge mode

- Wireless AC Triac dimmer with Leading or Trailing Edge modes
- Compatible with a selection of single or multiple zone RF remote controls
  - Can be paired with up to 8 RF remote controls / switches
    - Minimum output setting
    - Suitable for indoor lighting applications
- Radio Frequency : 868/869.5/916.5/434mhz



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty



CSWRF01



CSWRF02



CSWRF03



CSWRF04



CSWRF05

Recommended product

#### Panel & Modular Luminaire

- Dimmable DD ↪ P255
- Dimmable GU10 ↪ P262-265
- Dimmable Filament ↪ P269-275
- Dimmable GLS ↪ P276
- Dimmable G9 ↪ P280
- Dimmable Reon ↪ P283-287

#### General Specification

Voltage 100-240Vac  
50-60Hz

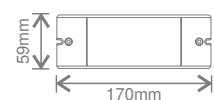
Output Voltage 2 x 100-240Vac  
Ambient Temp -20°C to 50°C  
Max Case Temp 75°C



#### Order Code

CYDIMRFT1

#### Dimensions



Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty



CYC050RFC25-150



CYDIMRFT1



### Order Code

CSWRF01

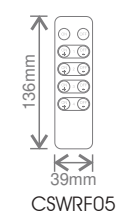
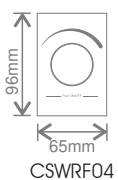
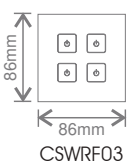
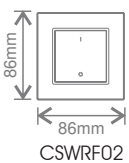
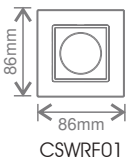
CSWRF02

CSWRF03

CSWRF04

CSWRF05

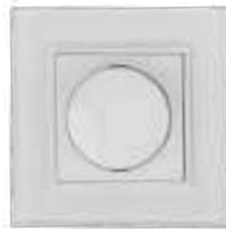
### Dimensions



# EasyLINK<sup>RF</sup>

## RF wireless switches

- Glass front battery power wireless wall mount switch
- Table top wireless rotary dimmer switch
- Wireless multi-zone remote control and wall switch
- Many to Many pairing with the wireless triac dimmer module and Driver
- Click-to-pair for easy installation
- Suitable for indoor lighting applications
- Radio Frequency : 868/869.5/916.5/434mhz



▲ CSWRF01



▲ CSWRF02



▲ CSWRF03



▲ CSWRF04



▲ CSWRF05

Order Code	Description	Trade Price
CSWRF01	Single channel wall mount rotary switch (battery powered)	£122.11
CSWRF02	Single channel wall mount push-button switch (battery powered)	£122.11
CSWRF03	4 channel wall mount touch switch (mains powered)	£132.60
CSWRF04	Single channel desk top rotary switch (battery powered)	£86.63
CSWRF05	4 channel handheld remote control (battery powered)	£46.78

On site commissioning available upon request





Emergency



UEM

35



UEM II

37



Batten EME

38



Mains EME

40



DD EME

41



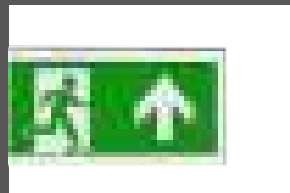
Manot

44



Mulu

46



Kalem

47



Doxa

49



Nitro

50



Nitro Self-test

51



Nitro Surface

52



Orda

53



Orda II

54

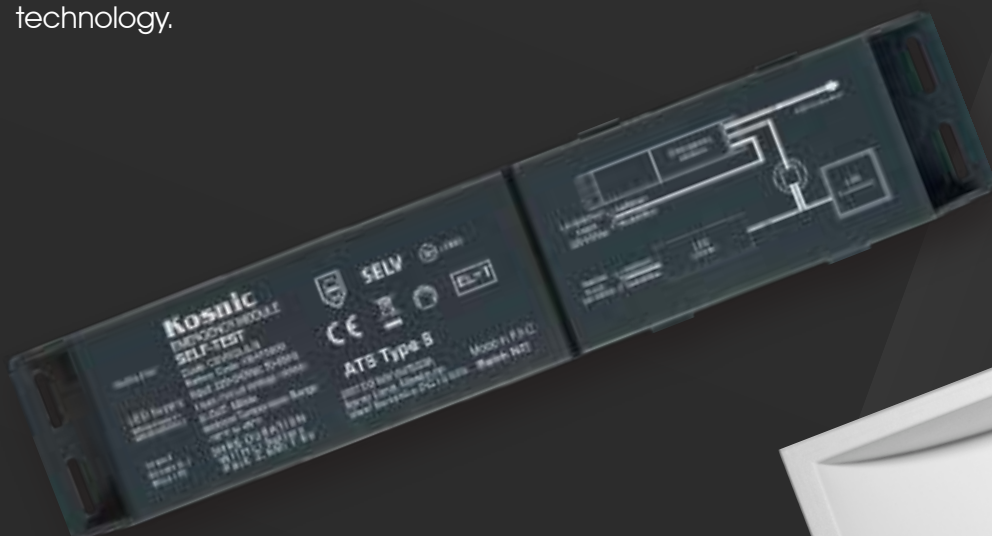
# Universal Emergency Module

Designed For

# ALL Class III LED Luminaires

Kosnic's Universal Emergency Module (UEM) is suitable for ALL LED luminaires (Class III) with a separate external LED driver, regardless of their manufacturer. Both innovative and unique, it's the ONLY universal emergency module of its kind that uses Adaptive Current Control (ACC) - developed at the Kosnic Technology Centre (KTC).

With ACC, the UEM's built-in LED driver finds the forward voltage of the LED module and automatically adjusts the output current to provide a predefined "constant wattage", around 3W. This ensures the discharge time remains constant regardless of the choice of LED luminaire, delivering the required 3 hours of light when operated in emergency mode as stated by BS 5266. This product has a granted patent (Instant Emergency Conversion, GB 2 503 708) and pending patent on the ACC technology.



# Installation

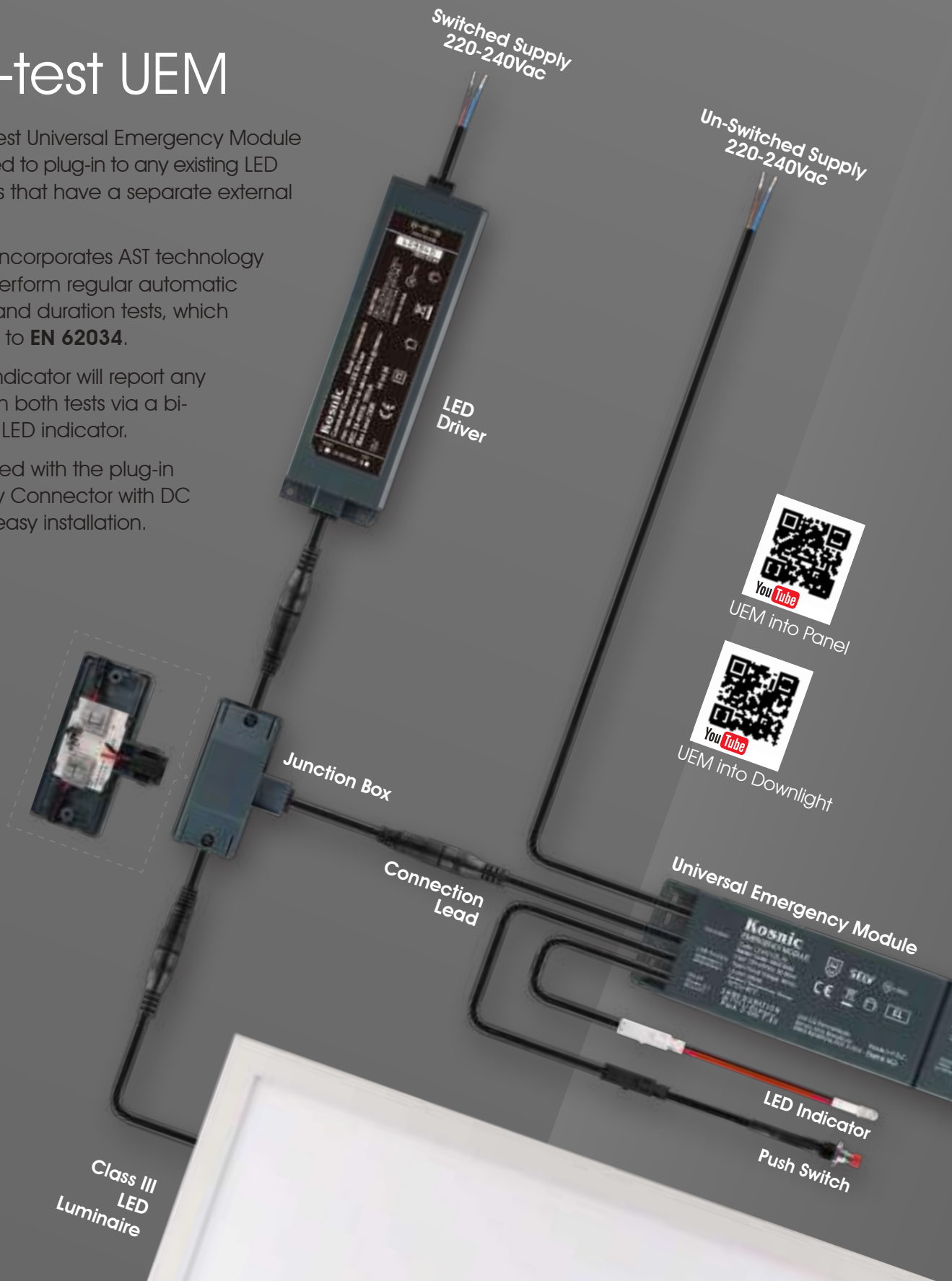
## Self-test UEM

Our Self-test Universal Emergency Module is designed to plug-in to any existing LED luminaires that have a separate external driver.

The UEM incorporates AST technology that will perform regular automatic function and duration tests, which conforms to **EN 62034**.

The LED indicator will report any faults from both tests via a bi-coloured LED indicator.

It is supplied with the plug-in Three-way Connector with DC jacks for easy installation.



Patent



### Self-Test UEM - LED Indicator Signals

Scan QR code for video.

# UEM

## Standard/Self-test 3W universal emergency module

Battery warranty

4  
YEAR

- Built-in self-test function according to BS-EN-62034-2012
- Designed for use with all LED luminaires (class III) with external driver
  - Easy Plug & Play installation
- For maintained or non-maintained emergency lighting systems
  - Internal Li-ion battery with improved lifespan
  - Easy battery replacement



In situ of the self-adhesive LED indicator pad

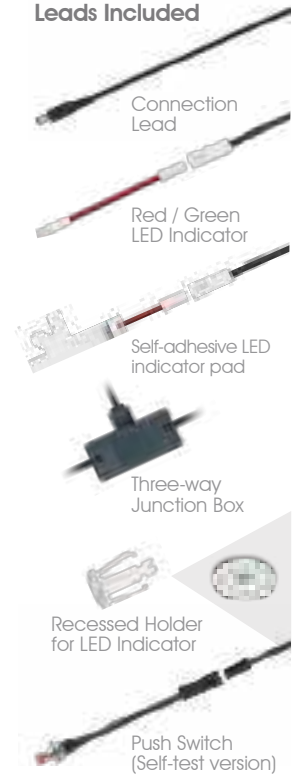
### LED Indicator (Self-test version)

- |                            |                         |                          |                         |
|----------------------------|-------------------------|--------------------------|-------------------------|
| • Green                    | System Healthy          | • Red                    | Battery Charging Fault  |
| • Green Flash 1 per second | Duration Test Pending   | • Red Flash 2 per second | Battery Duration Fault  |
| • Green Flash 2 per second | Duration Test Running   | • Red Flash 4 per second | Lamp or Luminaire Fault |
| • Green Flash 4 per second | Functional Test Running |                          |                         |



- 3** 3 Years Standard Warranty
- 5** 5 Years Extended Warranty

### Leads Included



### General Specification

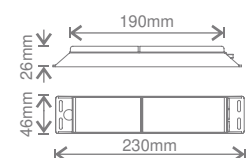
Input Voltage	220-240Vac
Output Voltage	50-60Hz
Input Current (max)	35mA
Emergency Conversion Time	1s
Emergency Operation Time	>3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	0°C to 45°C
Maximum Case Temp	75°C



### Order Code

CEW03LIL/N  
CEW03LIL/S

### Dimensions



### Standard

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW03LIL/N	3W	9-58Vdc	Li-ion	2600mAh	50-130mA	£96.73

### Self-test

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW03LIL/S	3W	20-58Vdc	Li-ion	2600mAh	50-130mA	£119.23

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.2V	£49.12

Patent

# UEM II | Universal Emergency Module

## UEM II

### Enhanced for easy installation

6 loop-in loop-out push-wire connectors allow wiring with

- 4 core cable with unswitched live
- 2 x 3 core cable with switched and unswitched supply.

### Driver isolation

Input of driver is isolated so that it is cutoff during the emergency test

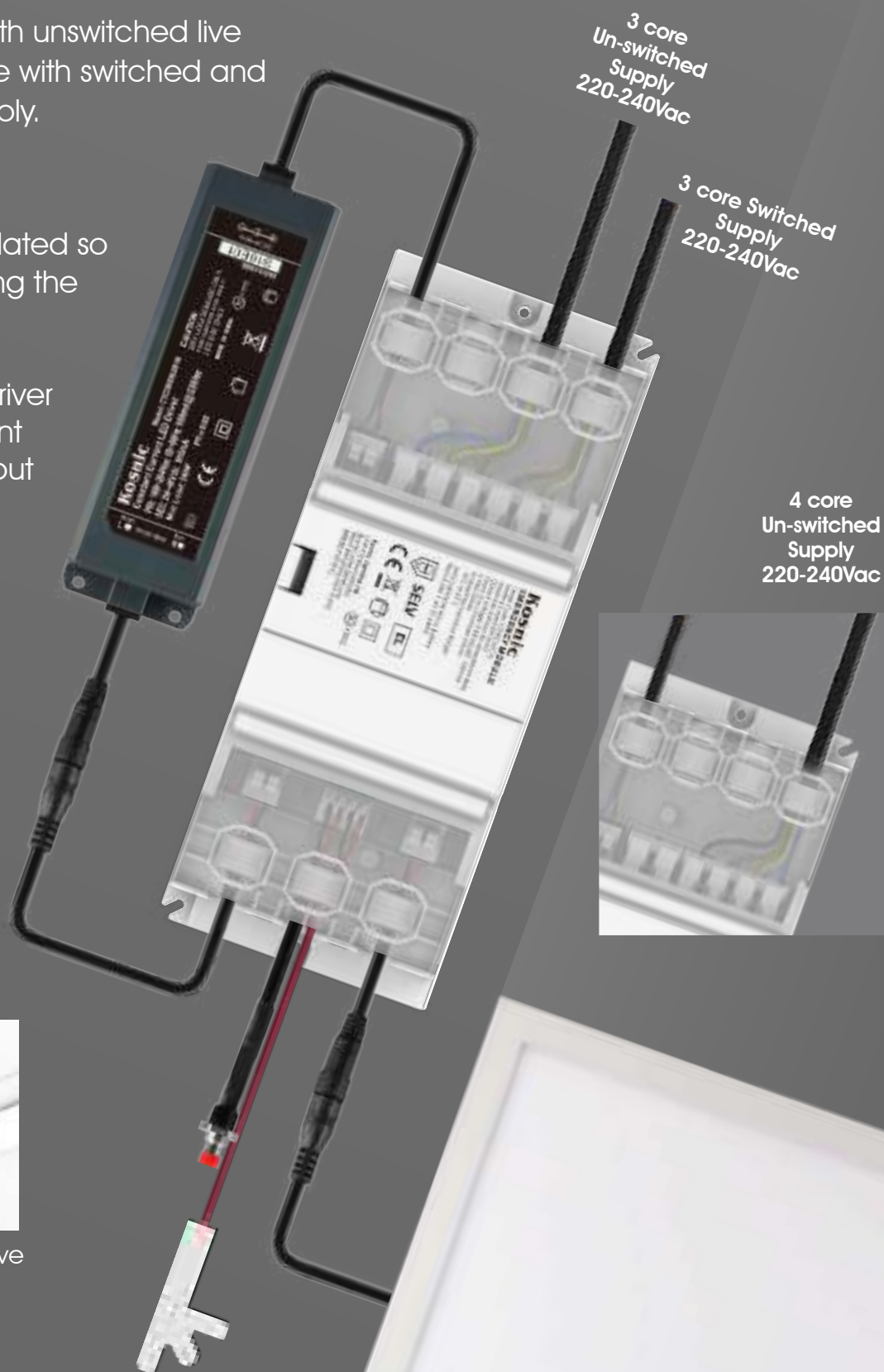
the output of the driver is isolated to prevent current leak to output of the driver in emergency mode



Press to release  
(Patent pending)



In situ of the self-adhesive  
LED indicator pad



# UEM II

Standard/Self-test  
3W universal emergency module

Battery warranty



EM driver isolation\*



\* LED Driver and LED light source are switched off in emergency mode.

- Loop-in and loop-out push-wire terminals
- Built-in self-test function according to BS-EN-62034-2012
- Designed for use with all LED luminaires (class III) with external driver
  - Easy Plug & Play installation
- For maintained or non-maintained emergency lighting systems
  - Internal Li-ion battery with improved lifespan
  - Easy battery replacement



In situ of the self-adhesive LED indicator pad

### LED Indicator (Self-test version)

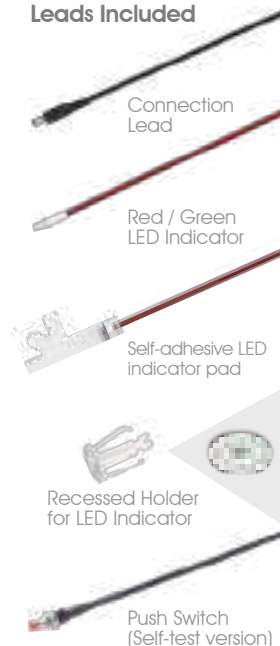
- |                            |                         |                          |                         |
|----------------------------|-------------------------|--------------------------|-------------------------|
| • Green                    | System Healthy          | • Red                    | Battery Charging Fault  |
| • Green Flash 1 per second | Duration Test Pending   | • Red Flash 2 per second | Battery Duration Fault  |
| • Green Flash 2 per second | Duration Test Running   | • Red Flash 4 per second | Lamp or Luminaire Fault |
| • Green Flash 4 per second | Functional Test Running |                          |                         |



**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

### Leads Included



### General Specification

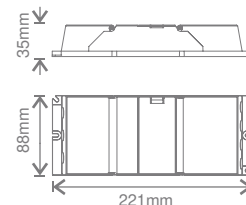
Input Voltage	220-240Vac
Input Current (max)	35mA
Emergency Conversion Time	1s
Emergency Operation Time	>3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	0°C to 45°C
Maximum Case Temp	75°C



### Order Code

CEW03LIC/N  
CEW03LIC/S

### Dimensions



### Standard

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW03LIC/N	3W	9-58Vdc	Li-ion	2600mAh	45-160mA	£123.08

### Self-test

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW03LIC/S	3W	24-58Vdc	Li-ion	2600mAh	45-150mA	£139.95

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.2V	£49.12

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**Leads Included**



**General Specification**

Input Voltage 220-240Vac  
50-60Hz  
Input Current (max) 35mA  
Emergency Conversion Time 1s  
Emergency Operation Time >3h  
Charging Time 12h  
Battery Life 4 Years  
Ambient Temp 0°C to 45°C  
Maximum Case Temp 75°C



# Batten EME

Standard/Self-test  
5W emergency module for Kosnic LED batten luminaires

- For maintained or non-maintained emergency lighting systems
- Easy battery replacement
- Designed for easy installation
- Internal Li-ion battery with improved lifespan

**4** YEAR Battery warranty



**LED Indicator (Self-test version)**

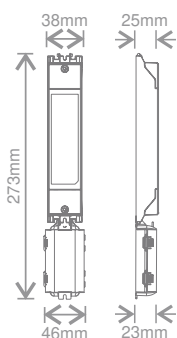
- Green System Healthy
- Red Battery Charging Fault
- Green Flash 1 per second Duration Test Pending
- Red Flash 2 per second Battery Duration Fault
- Green Flash 2 per second Duration Test Running
- Red Flash 4 per second Lamp or Luminaire Fault
- Green Flash 4 per second Functional Test Running



**Order Code**

CEW05LBL/N  
CEW05LBL/S

**Dimensions**



**Standard**

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW05LBL/N	5W	20-58Vdc	Li-ion	2600mAh	60-145mA	£97.05

**Self-test**

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEW05LBL/S	5W	20-58Vdc	Li-ion	2600mAh	70-125mA	£115.25

**Battery**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.2V	£49.12

**Patent**



# Mains Emergency Module

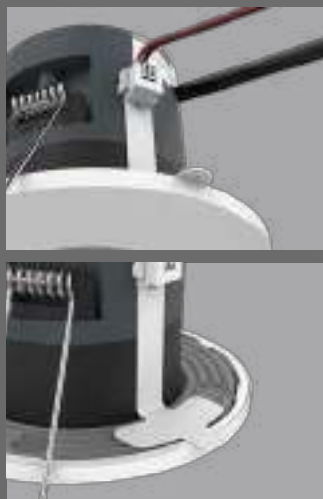
## Plug & Play

### *Mains emergency conversion module for* **Dimmable Fire-Rated Downlights**

The emergency conversion module generates a mains voltage DC signal that can run the dimmable downlight at 20% or greater output. This product is designed to be used with LED lamps and luminaires with triac (mains) dimmable LED driver.

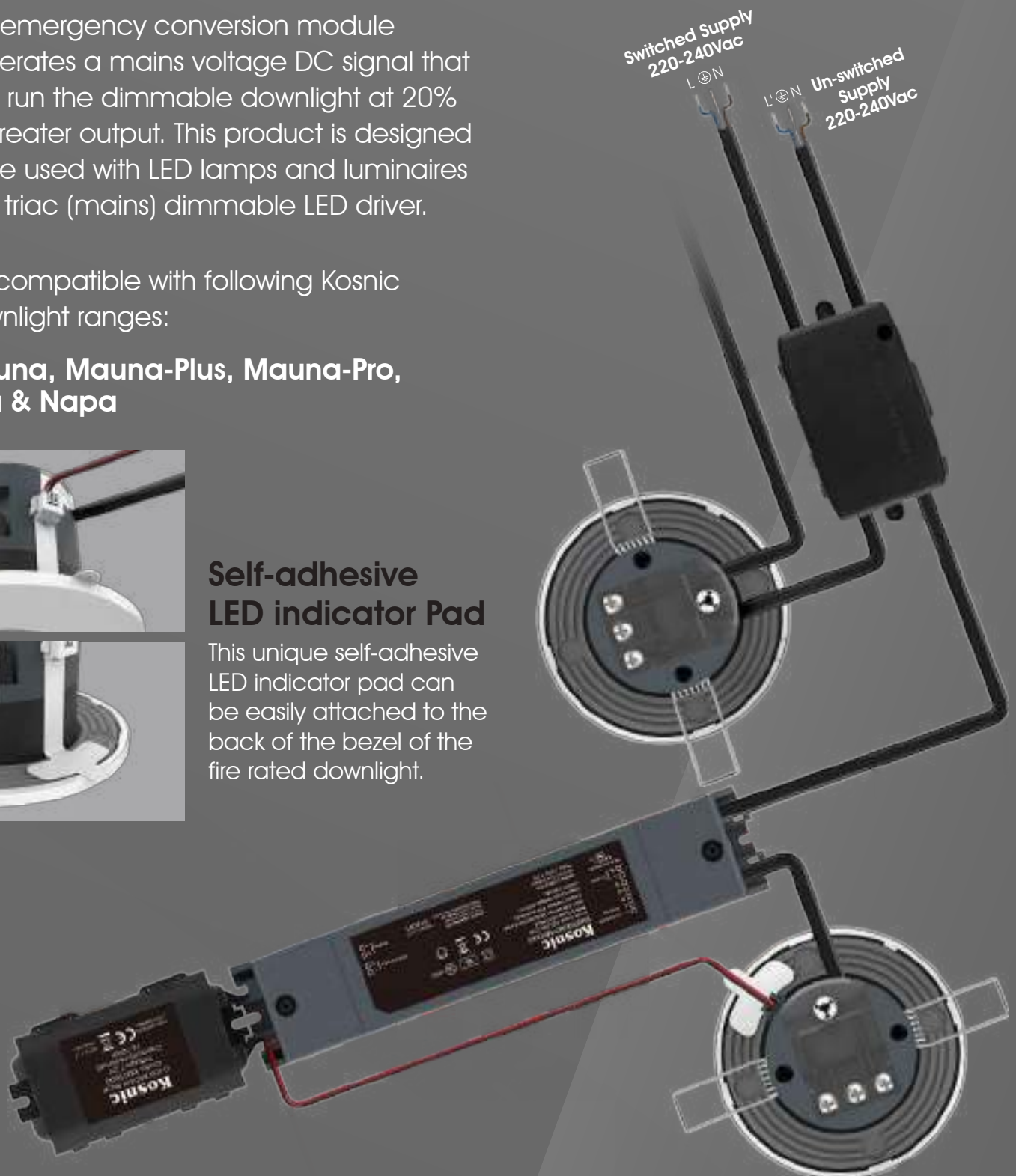
It is compatible with following Kosnic downlight ranges:

**Mauna, Mauna-Plus, Mauna-Pro,  
Erta & Napa**



#### **Self-adhesive LED indicator Pad**

This unique self-adhesive LED indicator pad can be easily attached to the back of the bezel of the fire rated downlight.



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

# Mains EME

Emergency conversion module for dimmable fire-rated downlight

- Designed to work with Kosnic dimmable downlight ranges (Mauna, Erta & Napa)
- Mains DC output
- Easy plug & play installation
- Unique self-adhesive LED indicator pad for easy installation

**4** YEAR **Battery warranty**

### Leads Included



Self adhesive LED indicator pad



Pug-in mains connector

### General Specification

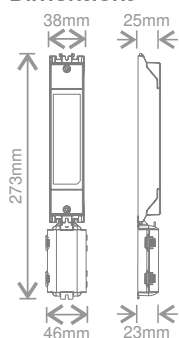
Input Voltage	220-240Vac 50-60Hz
Input Current (max)	40mA
Emergency Conversion Time	< 1s
Emergency Operation Time	> 3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	0°C to 45°C
Maximum Case Temp	75°C



### Order Code

CEL03LIC/N

### Dimensions



### Standard

Order Code	Output Wattage (Max)	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEL03LIC/N	3W	27-180Vdc	Li-ion	2200mAh	10-75mA	<b>£88.74</b>

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2200LI4	Li-ion	2200mAh	7.2V	<b>£46.01</b>

# DD EME

Standard emergency module for Kosnic LED DD & K2D lamps

Battery warranty



- Easy Plug & Play installation
- For maintained or non-maintained emergency lighting systems
- Internal Li-ion battery for improved lifespan
- Easy battery replacement

**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty



### General Specification

Input Voltage	220-240Vac
	50-60Hz
Input Current (max)	35mA
Emergency Conversion Time	1s
Emergency Operation Time	>3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	-10°C to 45°C
Maximum Case Temp	75°C



Order Code	Max Output Wattage	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEC02LBL/N	2W	15-58 Vdc	LiFePO4	2000mAh	35mA	<b>£75.88</b>

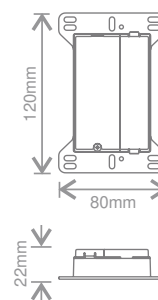
### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	<b>£43.93</b>

### Order Code

CEC02LBL/N

### Dimensions



Patent

- 3** 3 Years Standard Warranty
- 5** 5 Years Extended Warranty

# Self-test DD EME

Self-test emergency module for Kosnic LED DD & K2D lamps

- Built-in self-test function according to BS-EN-62034-2012
- Easy Plug & Play installation
- For maintained or non-maintained emergency lighting systems
- Internal Li-Ion battery with improved lifespan
- Dual colour LED indicator for error reporting built into all Kosnic LED DD lamps
- Easy battery replacement

**4** YR  Battery warranty

## General Specification

Input Voltage	220-240Vac
Input Current (max)	35mA
Emergency Conversion Time	1s
Emergency Operation Time	>3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	-10°C to 45°C
Maximum Case Temp	75°C



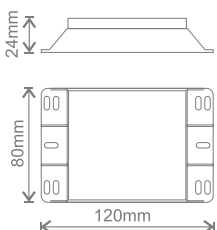
### LED Indicator (Self-test version)

● Green	System Healthy	● Red	Battery Charging Fault
⬇ Green Flash 1 per second	Duration Test Pending	⬇ Red Flash 2 per second	Battery Duration Fault
⬆ Green Flash 2 per second	Duration Test Running	⬆ Red Flash 4 per second	Lamp or Luminaire Fault
⬆ Green Flash 4 per second	Functional Test Running		



**Order Code**  
CEC03LBL/S

### Dimensions



Order Code	Max Output Wattage	Output Voltage	Battery	Battery Capacity	Output Current	Trade Price
CEC03LBL/S	3W	15-58Vdc	Li-ion	2200mAh	50mA	£100.35

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2200	Li-ion	2200mAh	7.4V	£46.01

**Patent**

# Manot All in One LED Exit Sign



## Wall-mount Exit Sign

with Doorway Illumination



8 LEDs fixed to the bottom of the fitting providing doorway illumination in emergency mode.

## Ceiling-mount Recessed Exit Sign



Different exit sign boards are available with clips for easy installation.



## Wall-mount Emergency Light

with Tilting Bracket



Installation of the Manot accessories

Scan QR code for video.

# Manot

## Standard/Self-test IP65 multi-purpose emergency exit bulkhead

Battery warranty

4  
YEAR

- Used as emergency exit sign as well as emergency light
  - Maintained and non-maintained option
  - Surface and recessed mounting positions
  - Hanging exit sign plate available
- IP65 and IK10 (vandal resistant) for external uses
  - BESA box fitting points



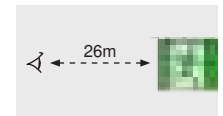
**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**1000V**  
Surge Protection

### General Specification

Input Voltage	220-240Vac
Input Current (max)	52mA
Life Time	40,000h
Emergency Conversion Time	1s
Emergency Operation Time	3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	-10°C to 40°C
Maximum Case Temp	75°C



P55  
Spacing table

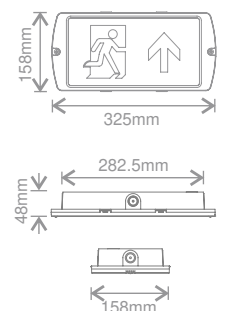
**Order Code**  
ESGN0305R65  
ESGN0305R65/S

### Wall-mount



**Order Code**  
ESGN02-PSL  
ESGN02-PSR  
ESGN02-PSD

### Dimensions



### LED Indicator (Self-test version)

● Green	System Healthy	● Red	Battery Charging Fault
⬆ Green Flash 1 per second	Duration Test Pending	⬆ Red Flash 2 per second	Battery Duration Fault
⬆ Green Flash 2 per second	Duration Test Running	⬆ Red Flash 4 per second	Lamp or Luminaire Fault
⬆ Green Flash 4 per second	Functional Test Running		

**Standard Emergency**

**Self-test Emergency**

### Standard (Exit sign up included)

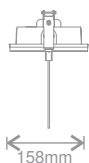
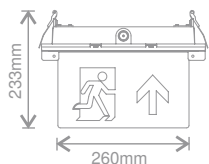
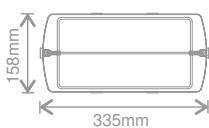
Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
ESGN0305R65	6W	3W	6500K	60lm (Emergency) 150lm (Lighting)	£97.76

### Self-test (Exit sign up included)

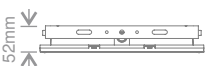
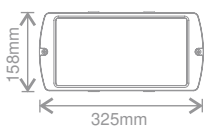
Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
ESGN0305R65/S	6W	3W	6500K	40lm (Emergency) 130lm (Lighting)	£111.80

**Recessed ceiling-mount****Order Code**

ESGN-PFR  
 ESGN01-PSLR  
 ESGN01-PSU  
 ESGN01-PSD

**Dimensions****Tilt wall-mount****Order Code**

ESGN-PFW

**Dimensions****Accessories (Wall-mount)**

Order Code	Description	Trade Price
ESGN02-PSL	Exit Sign Left	£3.98
ESGN02-PSR	Exit Sign Right	£3.98
ESGN02-PSD	Exit Sign Down	£5.54

**Accessories (Recessed ceiling-mount)**

Order Code	Description	Trade Price
ESGN-PFR	Spring clips for recessed installation	£12.69
ESGN01-PSLR	Hanging Exit Sign Left & Right	£43.53
ESGN01-PSU	Hanging Exit Sign Up	£43.53
ESGN01-PSD	Hanging Exit Sign Down	£43.53

**Accessory (Tilt wall-mount)**

Order Code	Description	Trade Price
ESGN-PFW	Wall-mount tilting bracket	£19.32

**Batteries**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT1500NC8 (for standard)	Nickel Cadmium	1500mAh	7.4V	£24.72
KBAT2600LI1 (for self-test)	Li-ion	2600mAh	3.7V	£48.09

# Mulu

## Standard/Self-test IP65 LED emergency exit sign bulkhead

Battery warranty

4  
YEAR

- All legends included
- Maintained and non-maintained option
- 20mm Conduit entry
- IP65 and IK10 (vandal resistant) for internal & external uses.
- Dual entry push-wire terminal block for easy loop-in loop-out wiring
- Available in self-test version
- BESA box fitting points



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**1000V**  
Surge Protection



Black finish

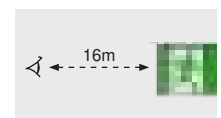


YouTube

Unboxing of Mulu  
- Scan QR code  
to watch video

### General Specification

Input	220-240Vac
Voltage	50-60Hz
Input Current (max)	46mA
Life Time	40,000h
Emergency Conversion Time	1s
Emergency Operation Time	3h
Charging Time	12h
Battery Life	4 Years
Ambient Temp	-10°C to 40°C
Maximum Case Temp	75°C

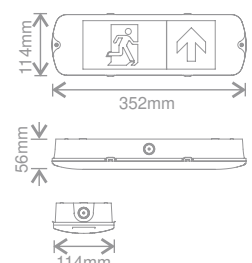


IP65  
Spacing table

### Order Code

EESN0105S65  
EESN0105S65-BLK  
EESN0105S65/S  
EESN0105S65/S-BLK

### Dimensions



### LED Indicator (Self-test version)

- Green System Healthy
- Green Flash 1 per second Duration Test Pending
- Green Flash 2 per second Duration Test Running
- Green Flash 4 per second Functional Test Running
- Red Battery Charging Fault
- Red Flash 2 per second Battery Duration Fault
- Red Flash 4 per second Lamp or Luminaire Fault

**Standard  
Emergency**

**Self-test  
Emergency**

### Standard (All exit legends included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0105S65	5W	1W	6500K	70lm	£52.99
EESN0105S65-BLK	5W	1W	6500K	40lm	£53.06

### Self-test (All exit legends included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0105S65/S	5W	1W	6500K	70lm (Emergency) 200lm (Lighting)	£69.48
EESN0105S65/S-BLK	5W	1W	6500K	50lm (Emergency) 130lm (Lighting)	£67.09

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT1500NC9 (for standard)	Nickel Cadmium	1500mAh	3.6V	£14.08
KBAT2600LI1 (for self-test)	Li-ion	2600mAh	3.7V	£48.09



- 3** 3 Years Standard Warranty
- 5** 5 Years Extended Warranty

# Kalem

Upgrade Jun 2021  
Self-test Version

## Standard/Self-test LED panel exit sign box

- Slim profile LED panel
- Uniform back light
- Hidden slot at the frame for attaching exit sign film
- Maintained and non-maintained options
- Available in self-test version

**4** YEAR Battery warranty

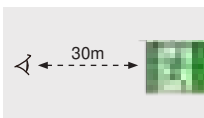


Under lights



### General Specification

Input 220-240Vac  
Voltage 50-60Hz  
Input Current (max) 53mA  
Life Time 40,000h  
Emergency Conversion Time 1s  
Emergency Operation Time 3h  
Charging Time 24h  
Battery Life 4 Years  
Ambient Temp 0°C to 40°C  
Maximum Case Temp 75°C

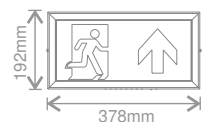


P55 Spacing table

### Order Code

EESN0105Q  
EESN0105Q/S  
EESN01-PSLR  
EESN01-PSD

### Dimensions



### LED Indicator (Self-test version)

- Green System Healthy
- Red Battery Charging Fault
- Green Flash 1 per second Duration Test Pending
- Red Flash 2 per second Battery Duration Fault
- Green Flash 2 per second Duration Test Running
- Red Flash 4 per second Lamp or Luminaire Fault
- Green Flash 4 per second Functional Test Running



### Standard (Exit sign up included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0105Q	5W	1W	6500K	80lm	£102.61

### Self-test (Exit sign up included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0105Q/S	5W	1W	6500K	80lm	£166.07

### Accessories

Order Code	Description	Trade Price
EESN01-PSLR	Exit Sign Left/Right	£5.55
EESN01-PSD	Exit Sign Down	£5.55

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LI2 (for standard)	Li-ion	2000mAh	3.6V	£38.87
KBAT2600LI1 (for self-test)	Li-ion	2600mAh	3.7V	£48.09

# Doxa 5 in 1 Edge-lit Exit Signs

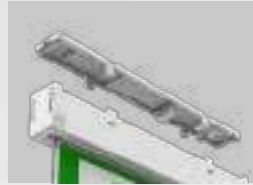


◀ Purchase separately



## Ceiling suspended mount

Ceiling mount kit is provided separately, with transparent mains cable included



## Ceiling surface-mount

Fixing the back plate to the ceiling per diagram. No additional accessory is required.



## Wall-mount

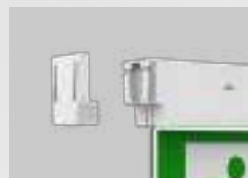
Fixing clip is placed at the top of fitting, once installed the fitting can be easily slotted in and locked in



◀ Purchase separately

## Recessed mount

Recess installation kit is available in white finishing.

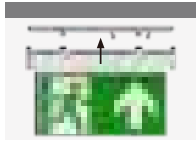
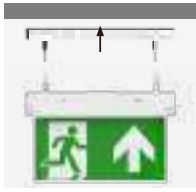


## Side Wall-mount

The end caps are also used as fixing clips allowing the fitting to be installed to the side on the wall.

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty



**General Specification**

Input 220-240Vac  
Voltage 50-60Hz  
Input Current (max) 30mA  
Life Time 40,000h  
Emergency Conversion Time 1s  
Emergency Operation Time 3h  
Charging Time 24h  
Battery Life 4 Years  
Ambient Temp 0°C to 40°C



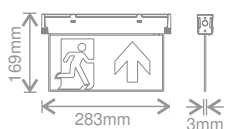
P55  
Spacing table

**Order Code**

EESN0103SUS  
EESN0103SUS/S

EESN02-PSLR  
EESN02-PSD  
EESN02-SUS  
EESN02-REC/WHT

**Dimensions**



# Doxa

## Standard/Self-test Exit sign with multiple mounting positions

- 5 mounting positions
- Integrated mounting clips
- Maintained or non-maintained operation
- Different exit sign plates available
- Available in self-test version

**4** YEAR  
Battery warranty



**LED Indicator (Self-test version)**

- Green System Healthy
- Green Flash 1 per second Duration Test Pending
- Green Flash 2 per second Duration Test Running
- Green Flash 4 per second Functional Test Running
- Red Battery Charging Fault
- Red Flash 2 per second Battery Duration Fault
- Red Flash 4 per second Lamp or Luminaire Fault



**Standard (Exit sign up included)**

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0103SUS	3W	1W	6500K	30lm (Emergency) 50lm (Lighting)	£67.60

**Self-test (Exit sign up included)**

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen	Trade Price
EESN0103SUS/S	3W	1W	6500K	30lm (Emergency) 50lm (Lighting)	£98.78

**Accessories**

Order Code	Description	Trade Price
EESN02-PSLR	Exit Sign Left/Right	£18.36
EESN02-PSD	Exit Sign Down	£18.36
EESN02-SUS	Suspension kit	£20.73
EESN02-REC/WHT	Recessed kit, white	£21.19

**Batteries**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LI1 (for standard)	Li-ion	2000mAh	3.6V	£43.93
KBAT2600LI1 (for self-test)	Li-ion	2600mAh	3.7V	£48.09

# Nitro

Standard non-maintained emergency downlight

Battery warranty **4** YEAR

- Standard and corridor version with different lens
- Non-maintained, >3hrs



▲ Standard White



▲ Corridor White



Standard Brass



Standard Chrome



Standard Black



Order Code	Lens	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
EDWL03C20/STD-WHT	Standard	3W	1.3W	45°	6500K	150lm	£48.12
EDWL03C20/STD-CHM	Standard	3W	1.3W	45°	6500K	150lm	£49.11
EDWL03C20/STD-BAS	Standard	3W	1.3W	45°	6500K	150lm	£49.11
EDWL03C20/STD-BLK	Standard	3W	1.3W	45°	6500K	130lm	£49.11
EDWL03C20/COR-WHT	Corridor	3W	1.3W	25°(Transverse) 120°(Axial)	6500K	200lm	£49.11

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LI1	Li-ion	2000mAh	3.6V	£43.93

- 3** 3 Years Standard Warranty
- 5** 5 Years Extended Warranty
- 1000V** Surge Protection
- 50mm** Cut-out



### General Specification

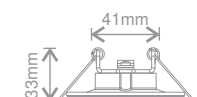
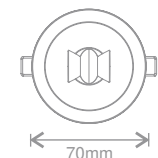
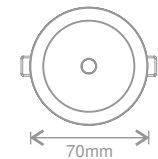
Input Voltage	220-240Vac
Input Current (max)	32mA
Life Time	40,000h
Emergency Conversion Time	1s
Emergency Operation Time	3h
Charging Time	24h
Battery Life	4 Years
Ambient Temp	0°C to 45°C
Maximum Case Temp	75°C



### Order Code

EDWL03C20/STD-WHT  
EDWL03C20/STD-CHM  
EDWL03C20/STD-BAS  
EDWL03C20/STD-BLK  
EDWL03C20/COR-WHT

### Dimensions



- 3** **3 Years**  
Standard Warranty
- 5** **5 Years**  
Extended Warranty
- 1000V**  
Surge Protection
- 58mm**  
Cut-out



# Nitro Self-test

Self-test non-maintained emergency downlight

- Self-test function conforming to EN 62034
- Non-Maintained, >3hrs
- Built-in LED status indicator

**4** **YEAR** Battery warranty

## General Specification

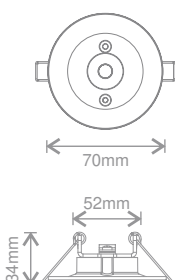
Input Voltage	220-240Vac
Input Current (max)	32mA
Life Time	40,000h
Emergency Conversion Time	1s
Emergency Operation Time	3h
Charging Time	24h
Battery Life	4 Years
Ambient Temp	0°C to 45°C
Maximum Case Temp	75°C



## Order Code

EDWL03C20/S-STD-WHT

## Dimensions



## LED Indicator (Self-test version)

- |                            |                         |                          |                         |
|----------------------------|-------------------------|--------------------------|-------------------------|
| ● Green                    | System Healthy          | ● Red                    | Battery Charging Fault  |
| ⬇ Green Flash 1 per second | Duration Test Pending   | ⬇ Red Flash 2 per second | Battery Duration Fault  |
| ⬆ Green Flash 2 per second | Duration Test Running   | ⬆ Red Flash 4 per second | Lamp or Luminaire Fault |
| ⚡ Green Flash 4 per second | Functional Test Running |                          |                         |



Order Code	Lens	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
EDWL03C20/S-STD-WHT	Standard	3W	1.2W	45°	6000K	<b>150lm</b>	<b>£65.97</b>

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600LI1	Li-ion	2600mAh	3.7V	<b>£48.09</b>

# Nitro Surface

Standard/Self-test  
Surface-mount non-maintained emergency downlight

Battery warranty **4** YEAR

- Slim profile
- Non-maintained, >3hrs
- Option of standard and self-test models
  - Available in white or black
  - Available in self-test version



### LED Indicator (Self-test version)

- |                            |                         |                          |                         |
|----------------------------|-------------------------|--------------------------|-------------------------|
| ● Green                    | System Healthy          | ● Red                    | Battery Charging Fault  |
| ⬆ Green Flash 1 per second | Duration Test Pending   | ⬆ Red Flash 2 per second | Battery Duration Fault  |
| ⬆ Green Flash 2 per second | Duration Test Running   | ⬆ Red Flash 4 per second | Lamp or Luminaire Fault |
| ⬆ Green Flash 4 per second | Functional Test Running |                          |                         |



### Standard

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
ESFC03CS20/STD	White	2.3W	1W	45°	6500K	150lm	£74.29
ESFC03CS20/STD-BLK	Black	2.3W	1W	45°	6500K	120lm	£84.73

### Self-test

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
ESFC03CS20/S-STD	White	3.3W	1.3W	45°	6000K	100lm	£80.65
ESFC03CS20/S-STD-BLK	Black	3.3W	1.3W	45°	6000K	70lm	£91.98

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2200LI1 (for standard)	Li-ion	2200mAh	3.7V	£40.10
KBAT2600LI1 (for self-test)	Li-ion	2600mAh	3.7V	£48.09

- 3** Years Standard Warranty
- 5** Years Extended Warranty
- 1000V** Surge Protection



### General Specification

Input Voltage 220-240Vac  
50-60Hz

Input Current (max) 25mA (Standard)  
27mA (Selftest)

Life Time 40,000h

Emergency Conversion Time 1s

Emergency Operation Time 3h

Charging Time 12h

Battery Life 4 Years

Ambient Temp 0°C to 45°C

Maximum Case Temp 75°C

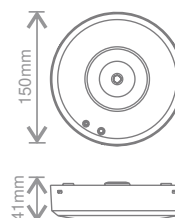


### Order Code

ESFC03CS20/STD  
ESFC03CS20/STD-BLK

ESFC03CS20/S-STD  
ESFC03CS20/S-STD-BLK

### Dimensions



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**⚡** 1000V  
Surge Protection

# Orda

## Twin spot emergency light

- Twin fully adjustable heads allow best light coverage
- Non-maintained, >3hrs
- IP65 option

**4** YEAR Battery warranty

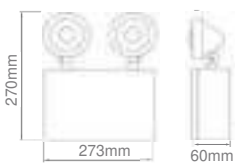
### General Specification

Input Voltage 220-240Vac  
50-60Hz  
Input Current (max) 14mA (KEMLO3TS2)  
22mA (KEMLO7TS1)  
CRI >70  
Life Time 40,000h  
Emergency Conversion Time 1s  
Emergency Operation Time 3h  
Charging Time 24h  
Battery Life 4 Years  
Ambient Temp 0°C to 45°C  
Maximum Case Temp 75°C

### Order Code

KEMLO3TS2

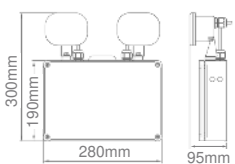
### Dimensions



### Order Code

KEMLO7TS1

### Dimensions



### IP20, Class II

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
KEMLO3TS2	2.5W	3W	120°	6500K	<b>320lm</b>	<b>£112.08</b>

### IP65, Class II

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen	Trade Price
KEMLO7TS1	3W	7W	150°	6000K	<b>470lm</b>	<b>£208.62</b>

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT1800TS (for KEMLO3TS2)	Nickel Cadmium	1800mAh	3.6V	<b>£38.51</b>
KBAT2200TS (for KEMLO7TS1)	Nickel Cadmium	2200mAh	9.6V	<b>£81.56</b>

# Orda II

## Standard/Self-test High-Efficient Twin spot LED emergency light

Battery warranty **4** YEAR



- High efficiency of 157lm/W

- High output of 470lm, replaces previous model of 7W Orda
- Ceiling mount option and accessories included
  - Compact in size
- Twin fully adjustable heads allow best light coverage
  - IP65, IK10
- Options of white and black finish
  - BESA box fitting points

**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

**2000V** Surge Protection



Mounting on trunking

### General Specification

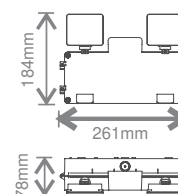
Input Voltage 220-240Vac  
50-60Hz  
Input Current (max) 20mA (Standard)  
24mA (Selftest)  
CRI 80  
Life Time 40,000h  
Emergency Conversion Time 1s  
Emergency Operation Time 3h  
Charging Time 24h  
Battery Life 4 Years  
Ambient Temp 0°C to 45°C  
Maximum Case Temp 75°C



### Order Code

KEMLO3TS3-WHT  
KEMLO3TS3-BLK  
KEMLO3TS3/S-WHT  
KEMLO3TS3/S-BLK

### Dimensions



### LED Indicator (Self-test version)

- Green System Healthy
- Green Flash 1 per second Duration Test Pending
- Green Flash 2 per second Duration Test Running
- Green Flash 4 per second Functional Test Running
- Red Battery Charging Fault
- Red Flash 2 per second Battery Duration Fault
- Red Flash 4 per second Lamp or Luminaire Fault



### Standard

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KEMLO3TS3	2.2W	3W	100°	White Black	6500K	470lm	£106.17

### Self-test

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KEMLO3TS3/S	2.3W	3W	100°	White Black	6500K	470lm	£112.41

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600LI2 (for standard)	Li-ion	2600mAh	7.4V	£48.09
KBAT5200LI2 (for self-test)	Li-ion	5200mAh	3.7V	£68.05

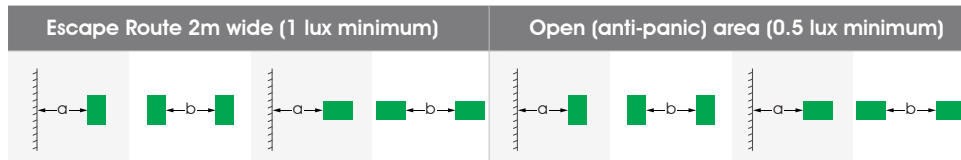


# Emergency lighting spacing table guide

**Lumen: 190lm**

## EESN0105S65 Emergency Mode

**Lumen (w/ Exit Sign): 70lm**



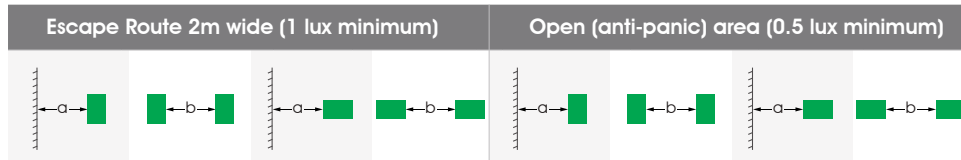
Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
Without Exit Sign										
EESN0105S65	2.5m	11.8 lux	3.5m	8.5m	3.6m	9.2m	4.3m	10.3m	4.5m	11.3m
	3m	8.16 lux	3.7m	9.2m	3.8m	9.8m	4.6m	11.2m	4.8m	12.2m
	4m	5.98 lux	3.8m	9.7m	3.9m	10.3m	4.9m	12m	5.1m	12.9m
With Exit Sign										
EESN0105S65	2.5m	4.34 lux	3m	6.2m	3m	6.5m	3.1m	7.8m	3.2m	8.3m
	3m	3.01 lux	3m	6.5m	3m	6.8m	3.3m	8.39m	3.3m	8.8m
	4m	2.2 lux	3m	6.7m	3m	6.9m	3.4m	8.8m	3.4m	9.2m

**Lumen: 140lm**

**Lumen (w/ Flush Mounted Exit Sign): 70lm**

**Lumen (w/ Hanging Exit Sign): 90lm**

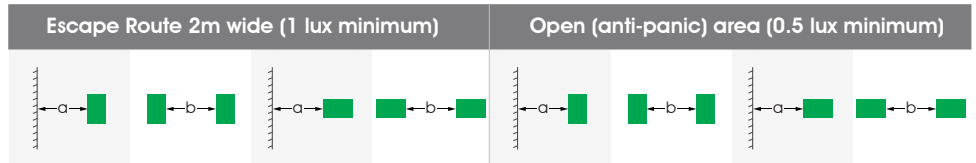
## ESGN0305R65 Emergency Mode



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
Without Exit Sign										
ESGN0305R65	2.5m	8.73 lux	3.2m	8.1m	3.2m	8.2m	4m	9.89m	4.1m	10.1m
	3m	6.05 lux	3.3m	8.7m	3.4m	8.8m	4.3m	10.7m	4.3m	10.9m
	4m	4.44 lux	3.4m	9.1m	3.4m	9.2m	4.5m	11.4m	4.5m	11.6m
With Flush Mounted Exit Sign										
ESGN0305R65	2.5m	3.74 lux	3m	6.2m	3m	6.1m	3m	7.7m	3m	7.8m
	3m	2.59 lux	3m	6.3m	3m	6.4m	3.1m	8.2m	3.1m	8.3m
	4m	1.90 lux	3m	6.4m	3m	6.5m	3.2m	8.6m	3.2m	8.7m
With Hanging Exit Sign										
ESGN0305R65	2.5m	5.62 lux	3m	7m	3m	7.1m	3.5m	8.7m	3.5m	8.89m
	3m	3.89 lux	3m	7.4m	3m	7.5m	3.7m	9.39m	3.7m	9.5m
	4m	2.85 lux	3m	7.7m	3m	7.8m	3.8m	9.89m	3.8m	10m

### EDWL03C20/STD Emergency Mode

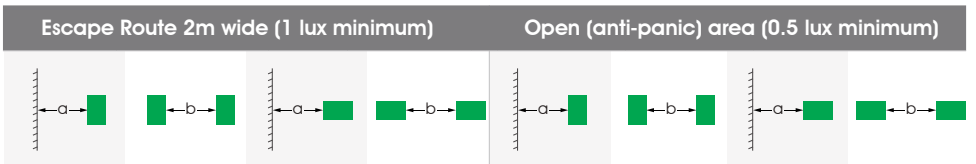
**Lumen: 500lm**



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
EDWL03C20/STD	2.5m	29.1 lux	3m	6.1m	3m	6.1m	3m	8.1m	3m	8.1m
	3m	20.2 lux	3m	6.2m	3m	6.2m	3.1m	8.3m	3.1m	8.3m
	4m	11.4 lux	3m	6.5m	3m	6.5m	3.2m	8.7m	3.2m	8.7m
	6m	5.05 lux	3m	7.4m	3m	7.4m	3.7m	9.39m	3.7m	9.39m

### EDWL03C20/COR Emergency Mode

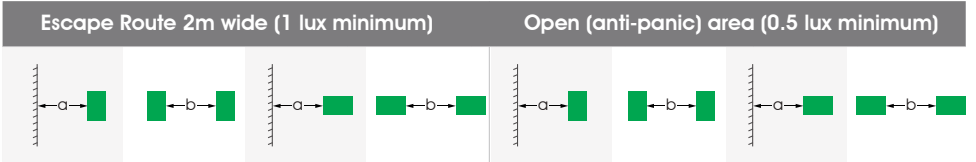
**Lumen: 200lm**



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
EDWL03C20/COR	2.5m	28.4 lux	3m	6.7m	5m	9.89m	3.2m	9m	5.9m	10.9m
	3m	19.7 lux	3m	6.4m	5.5m	10.9m	3.2m	9.39m	6.5m	11.9m
	4m	11.1 lux	2.9m	6.1m	6.3m	12.9m	3m	9.39m	7.6m	14.9m
	6m	4.93 lux	2.9m	6.1m	7.2m	16.9m	3m	8.2m	9.1m	18.9m

### KPNL30BL1 Emergency Mode

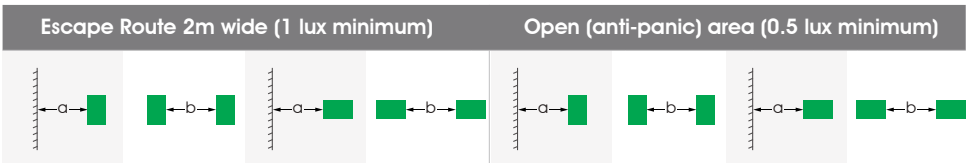
**Lumen: 500lm**



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KPNL30BL1	2.5m	22.5 lux	4.5m	11.2m	4.5m	11.2m	5.6m	13.5m	5.6m	13.5m
	3m	15.7 lux	4.9m	12.1m	4.9m	12.1m	6.0m	14.7m	6.0m	14.7m
	4m	8.9 lux	5.4m	13.6m	5.4m	13.6m	6.8m	16.7m	6.8m	16.7m
	6m	4.0 lux	5.7m	15.5m	5.7m	15.5m	7.7m	19.7m	7.7m	19.7m

### KPNL5472BL2/1206 Emergency Mode

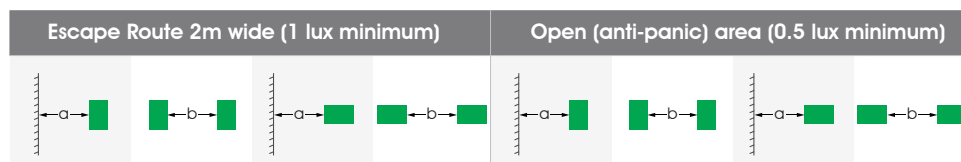
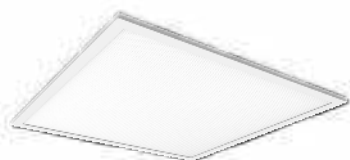
**Lumen: 500lm**



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KPNL5472BL2 /1206	2.5m	21.4 lux	4.6m	11.3m	4.6m	11.3m	5.6m	13.6m	5.6m	13.6m
	3m	15.0 lux	4.9m	12.2m	4.9m	12.2m	6.1m	14.8m	6.1m	14.8m
	4m	8.56 lux	5.4m	13.7m	5.4m	13.7m	6.8m	16.8m	6.8m	16.8m
	6m	3.84 lux	5.7m	15.5m	5.7m	15.5m	7.7m	19.7m	7.7m	19.7m

### KLED2328PNL Emergency Mode

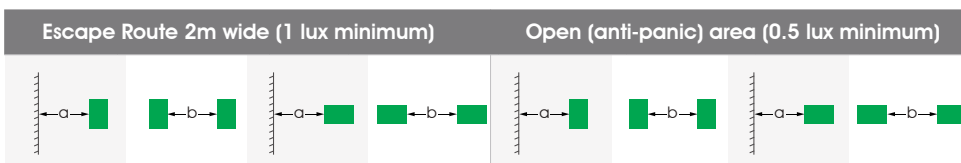
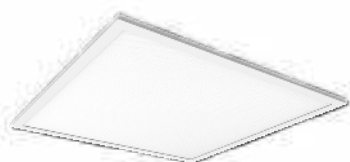
Lumen: 500lm



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KLED2328PNL	2.5m	27.5 lux	4.9m	12m	4.9m	12m	6m	14.5m	6m	14.5m
	3m	19.1 lux	5.3m	13m	5.3m	13m	6.5m	15.8m	6.5m	15.8m
	4m	10.8 lux	5.8m	14.6m	5.8m	14.6m	7.3m	18m	7.3m	18m
	6m	4.8 lux	6.3m	16.79m	6.3m	16.79m	8.39m	21.2m	8.39m	21.2m

### KLED3627PNL Emergency Mode

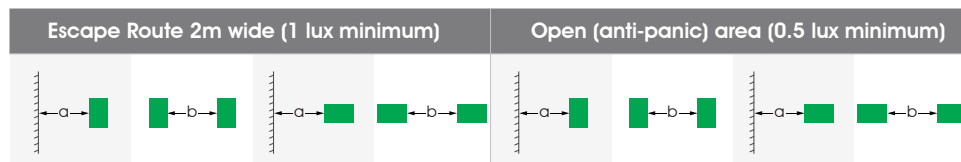
Lumen: 520lm



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KLED3627PNL	2.5m	42.8 lux	4.1m	10m	4.19m	10.2m	5m	12.1m	5.1m	12.3m
	3m	29.8 lux	4.5m	10.9m	4.6m	11.2m	5.4m	13.1m	5.6m	13.4m
	4m	16.8 lux	5.1m	12.4m	5.3m	12.7m	6.2m	15m	6.3m	15.4m
	6m	7.49 lux	6.1m	14.9m	6.3m	15.3m	7.4m	18m	7.7m	18.5m

### KLED40PNL Emergency Mode

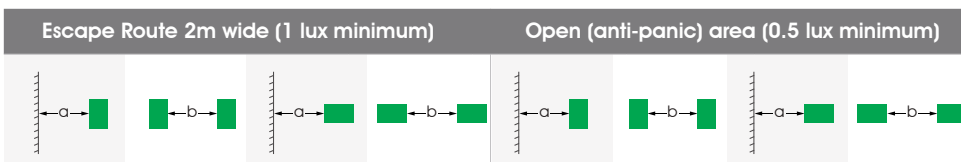
Lumen: 500lm



Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KLED40PNL	2.5m	27.9 lux	4.9m	11.9m	4.9m	11.9m	5.9m	14.4m	6m	14.5m
	3m	19.4 lux	5.2m	12.9m	5.3m	13m	6.4m	15.7m	6.5m	15.8m
	4m	11 lux	5.8m	14.5m	5.8m	14.7m	7.2m	17.79m	7.3m	18m
	6m	4.89 lux	6.3m	16.7m	6.4m	16.79m	8.3m	21m	8.39m	21.2m

### KTWB3040PNL Emergency Mode

Lumen: 280lm

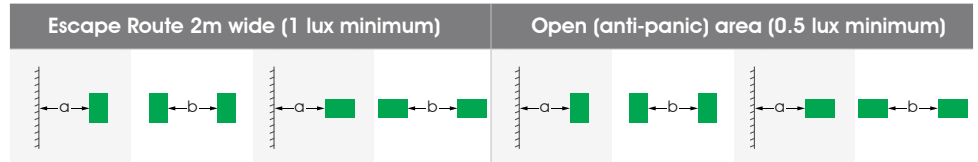


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KTWB3040PNL	2.5m	15.7 lux	4.1m	10.2m	4.1m	10.2m	5.1m	12.3m	5.1m	12.3m
	3m	11 lux	4.3m	11m	4.3m	10.9m	5.5m	13.4m	5.4m	13.4m
	4m	6.2 lux	4.69m	12.1m	4.69m	12.1m	6m	15.2m	6m	15.1m
	6m	2.76 lux	4.69m	13.4m	4.69m	13.4m	6.7m	17.5m	6.7m	17.5m



### KBHDDC6S65 (w/ KLED12STD) Emergency Mode

**Lumen: 260lm**

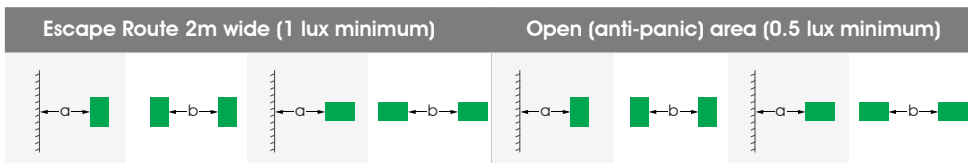


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBHDDC6S65/E w/ KLED12STD	2.5m	16.2 lux	4.1m	10.1m	4.1m	10.1m	5m	12.4m	5m	12.4m
	3m	11.2 lux	4.3m	10.9m	4.3m	10.9m	5.4m	13.4m	5.4m	13.4m
	4m	6.23 lux	4.6m	12.1m	4.6m	12.1m	6m	15.1m	6m	15.1m
	6m	2.75 lux	4.6m	13.3m	4.6m	13.3m	6.6m	17.4m	6.6m	17.4m



### KBHDDC6S65 (w/ KLED18STD) Emergency Mode

**Lumen: 297lm**

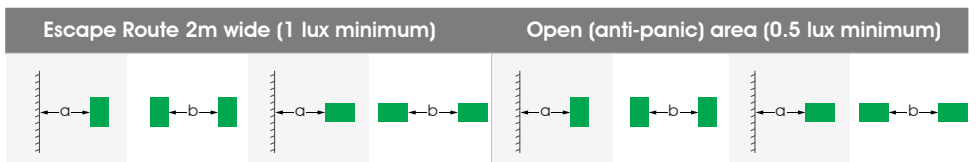


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBHDDC6S65/E w/ KLED18STD	2.5m	17 lux	4.1m	10.2m	4.1m	10.2m	5.1m	12.5m	5.1m	12.5m
	3m	11.7 lux	4.4m	11m	4.4m	11m	5.5m	13.5m	5.5m	13.5m
	4m	6.53 lux	4.69m	12.2m	4.69m	12.2m	6.1m	15.2m	6.1m	15.2m
	6m	2.88 lux	4.8m	13.5m	4.8m	13.5m	6.7m	17.6m	6.7m	17.6m



### KBHCT12C6S65/E Emergency Mode

**Lumen: 120lm**

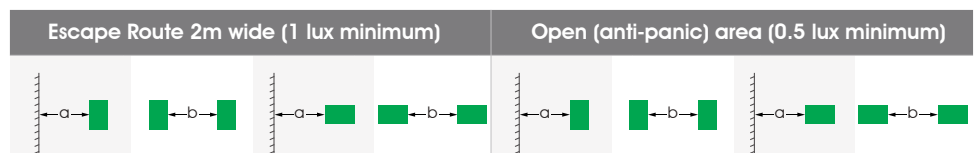


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBHCT12C6S65/E	2.5m	7.58 lux	3.1m	8m	3.1m	8m	4m	9.89m	4m	9.89m
	3m	5.23 lux	3.2m	8.39m	3.2m	8.39m	4.19m	10.7m	4.19m	10.7m
	4m	2.92 lux	3.2m	9m	3.2m	9m	4.5m	11.8m	4.5m	11.8m
	6m	1.29 lux	3m	8.89m	3m	8.89m	4.4m	12.9m	4.4m	12.9m

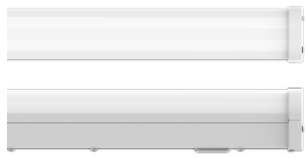


### KBHDDC9S65 (w/ K2DC9-18STD) Emergency Mode

**Lumen: 120lm**

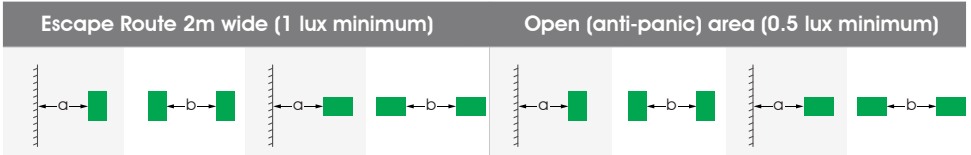


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBHDDC9S65 w/ K2DC9-18STD	2.5m	5.6 lux	2.7m	7.1m	2.7m	7.1m	3.5m	8.89m	3.5m	8.89m
	3m	3.9 lux	2.8m	7.5m	2.8m	7.5m	3.7m	9.6m	3.7m	9.6m
	4m	2.2 lux	2.6m	7.9m	2.6m	7.8m	3.9m	10.5m	3.9m	10.5m
	5m	1.4 lux	2.0m	7.8m	2.0m	7.8m	3.9m	11.0m	3.9m	11.0m



### KBTN30LS4/SCT Emergency Mode

**Lumen: 600lm**

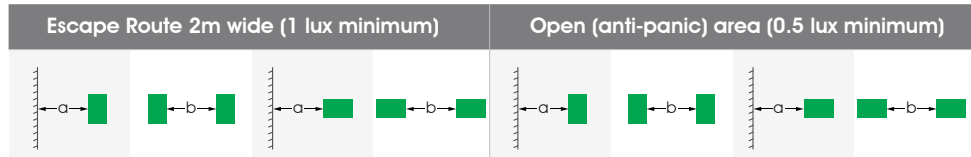


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBTN30LS4/SCT	2.5m	18.8 lux	4.9m	12.6m	4.3m	10.6m	6.3m	15.8m	5.3m	12.8m
	3m	13.2 lux	5.2m	13.4m	4.6m	11.4m	6.7m	16.9m	5.7m	13.9m
	4m	7.5 lux	5.5m	14.5m	5.0m	12.8m	7.2m	18.6m	6.4m	15.8m
	6m	3.4 lux	5.6m	15.9m	5.2m	14.4m	7.9m	20.9m	7.2m	18.5m



### KBTN50LS3/SCT Emergency Mode

**Lumen: 600lm**

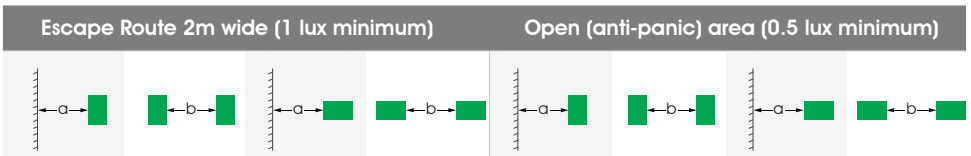


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBTN50LS3/SCT	2.5m	19.2 lux	4.9m	12.6m	4.3m	10.6m	6.3m	15.8m	5.3m	12.9m
	3m	13.5 lux	5.2m	13.4m	4.6m	11.5m	6.7m	16.8m	5.7m	14.0m
	4m	7.7 lux	5.5m	14.6m	5.0m	12.9m	7.3m	18.6m	6.4m	16.0m
	6m	3.4 lux	5.7m	15.9m	5.3m	14.5m	7.9m	21.0m	7.2m	18.7m



### KBTN50LS8/E Emergency Mode

**Lumen: 320lm**

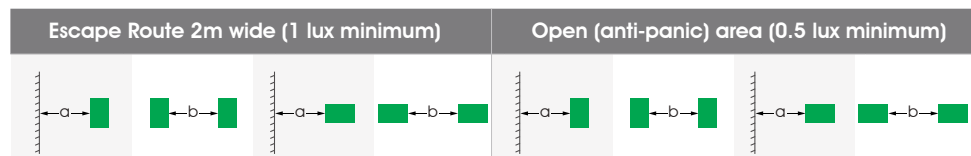


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBTN50LS8/E	2.5m	10.5 lux	3.9m	10.2m	3.6m	9.0m	5.1m	12.9m	4.5m	11.0m
	3m	7.4 lux	4.1m	10.8m	3.8m	9.7m	5.4m	13.7m	4.8m	12.0m
	4m	4.2 lux	4.2m	11.5m	3.9m	10.6m	5.7m	15.0m	5.3m	13.4m
	6m	1.9 lux	3.7m	12.0m	3.5m	11.2m	6.0m	16.5m	5.6m	15.2m



### KBTN27-48LS14/SCT/E Emergency Mode

**Lumen: 600lm**

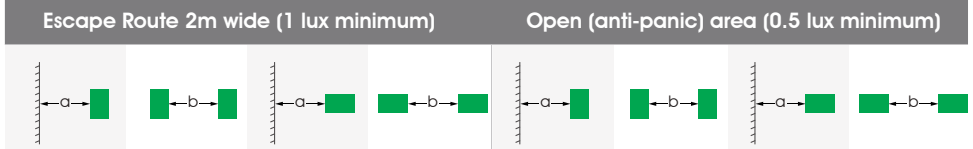


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KBTN27-48LS14 /SCT/E	2.5m	18.1 lux	4.5m	11.2m	4.5m	11.2m	5.6m	13.8m	5.6m	13.8m
	3m	12.7 lux	4.8m	12.1m	4.8m	12.1m	6.0m	14.9m	6.0m	14.9m
	4m	7.3 lux	5.2m	13.4m	5.2m	13.4m	6.7m	16.7m	6.7m	16.7m
	6m	3.2 lux	5.3m	14.9m	5.3m	14.9m	7.4m	19.3m	7.4m	19.3m



### KENCB65T6F + CEW05LBN Emergency Mode

**Lumen: 620lm**

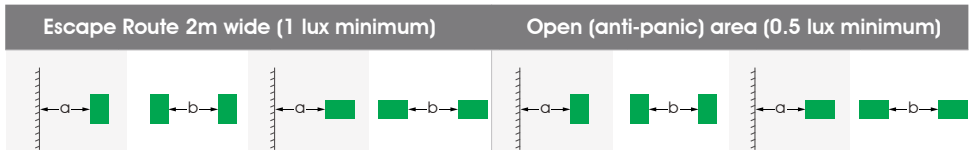


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KENCB65T6F + CEW05LBN/N	2.5m	25.5 lux	4.8m	11.6m	4.9m	12.3m	5.8m	13.8m	6.1m	15.0m
	3m	18.3 lux	5.2m	12.6m	5.3m	13.2m	6.3m	15.2m	6.6m	16.2m
	4m	10.7 lux	5.8m	14.3m	5.7m	14.7m	7.1m	17.4m	7.3m	18.3m
	6m	4.9 lux	6.5m	16.8m	6.1m	16.4m	8.4m	20.8m	8.2m	21.2m



### KFDL06DIM/SCT + CEL03LIC/N Emergency Mode

**Lumen: 120lm**

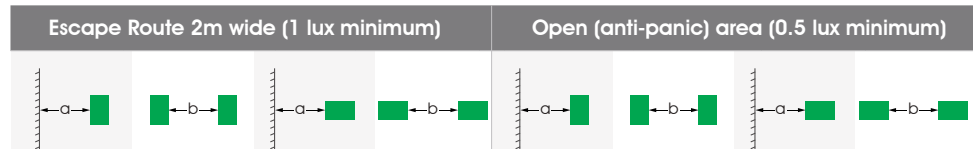


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KFDL06DIM/SCT + CEL03LIC/N/E	2.5m	11.7 lux	2.4m	6.0m	2.4m	6.0m	3.0m	7.3m	3.0m	7.3m
	3m	8.1 lux	2.6m	6.5m	2.6m	6.5m	3.2m	7.9m	3.2m	7.9m
	4m	4.6 lux	2.8m	7.3m	2.8m	7.3m	3.6m	9.0m	3.6m	9.0m
	6m	2 lux	2.8m	8.2m	2.8m	8.2m	4.1m	10.6m	4.1m	10.6m



### KCDLLS08FR65 Emergency Mode

**Lumen: 180lm**

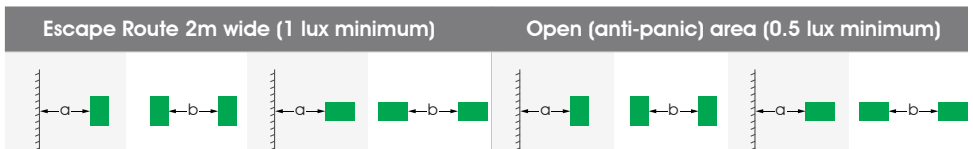


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KCDLLS08FR65	2.5m	19.2 lux	3m	6.9m	3m	6.9m	3.4m	8.1m	3.4m	8.1m
	3m	13.3 lux	3.2m	7.7m	3.2m	7.7m	3.8m	8.89m	3.8m	8.89m
	4m	7.49 lux	3.7m	9m	3.7m	9m	4.5m	10.5m	4.5m	10.5m
	6m	3.33 lux	4.19m	10.8m	4.19m	10.8m	5.4m	13.1m	5.4m	13.1m



### KCDL1006FR65 Emergency Mode

**Lumen: 250lm**

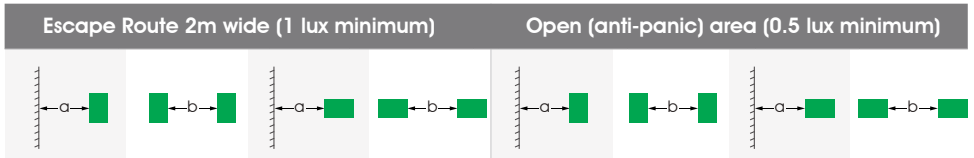


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Escape Route 2m wide (1 lux minimum)				Open (anti-panic) area (0.5 lux minimum)			
			Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KCDL1006FR65	2.5m	29.8 lux	3.1m	7.4m	3.1m	7.4m	3.7m	8.7m	3.7m	8.7m
	3m	20.7 lux	3.4m	8.1m	3.4m	8.1m	4m	9.6m	4m	9.6m
	4m	11.6 lux	3.9m	9.3m	3.9m	9.3m	4.6m	11.1m	4.6m	11.1m
	6m	5.17 lux	4.69m	11.4m	4.69m	11.4m	5.7m	13.6m	5.7m	13.6m



### KCDL2016FR65 Emergency Mode

**Lumen: 300lm**

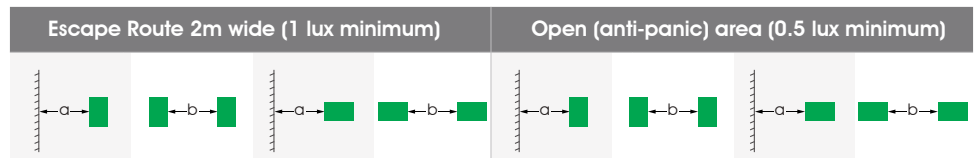


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KCDL2016FR65	2.5m	26.7 lux	3.6m	8.39m	3.6m	8.39m	4.19m	9.7m	4.19m	9.7m
	3m	18.5 lux	3m	9.39m	4m	9.39m	4.69m	10.8m	4.69m	10.8m
	4m	10.4 lux	4.6m	11m	4.6m	11m	5.5m	12.8m	5.5m	12.8m
	6m	4.63 lux	5.3m	13.3m	5.3m	13.3m	6.6m	16m	6.6m	16m



### KCDL2622FR65 Emergency Mode

**Lumen: 340lm**

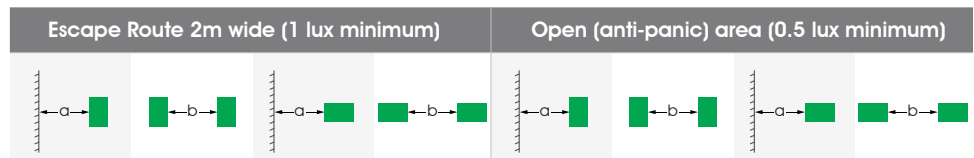


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KCDL2622FR65	2.5m	25.7 lux	3.9m	9.2m	3.9m	9.2m	4.6m	10.5m	4.6m	10.5m
	3m	17.8 lux	4.3m	10.2m	4.3m	10.2m	5.1m	11.8m	5.1m	11.8m
	4m	10 lux	5m	12m	5m	12m	6m	14m	6m	14m
	6m	4.45 lux	5.6m	14.5m	5.6m	14.5m	7.2m	17.5m	7.2m	17.5m



### KLBA150L1/E Emergency Mode

**Lumen: 1370lm**

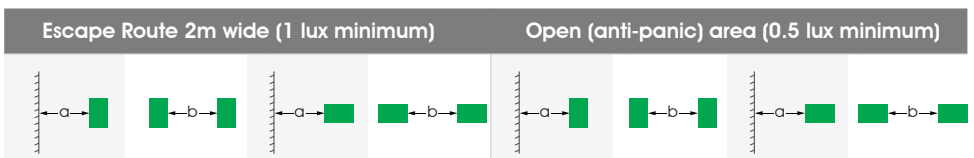


Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KLBA150L1/E	6m	13.8 lux	7.2m	17.3m	8.4m	20.4m	8.6m	20.8m	10.2m	24.4m
	8m	7.7 lux	8.2m	19.8m	9.3m	23.2m	9.9m	23.8m	11.6m	28.1m
	10m	4.9 lux	8.9m	21.9m	9.9m	25.4m	10.9m	26.5m	12.7m	31.1m
	12m	3.4 lux	9.4m	23.7m	10.1m	27.0m	11.8m	28.8m	13.5m	33.7m



### KHBN210C1/E/DV Emergency Mode

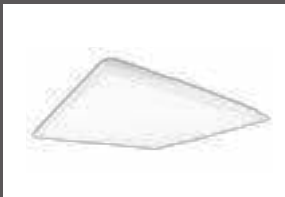
**Lumen: 1300lm**



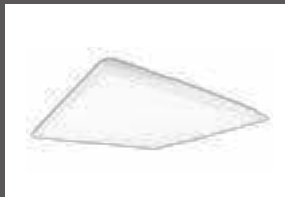
Luminaire Type	Mounting Height (m)	Lux Level directly under*	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)	Transverse to wall (m)	Transverse to transverse (m)	Axial to wall (m)	Axial to axial (m)
KHBN210C1/E/DV	8m	9.8 lux	8.2m	19.5m	8.2m	19.5m	9.7m	23.1m	9.7m	23.1m
	9m	7.7 lux	8.7m	20.8m	8.7m	20.8m	10.4m	24.6m	10.4m	24.6m
	10m	6.2 lux	9.2m	21.9m	9.2m	21.9m	10.9m	26.0m	10.9m	26.0m
	12m	4.3 lux	10.0m	24.0m	10.0m	24.0m	12.0m	28.6m	12.0m	28.6m

Panel  
&  
Modular Luminaire





Alden 66



Alden-Pro 67



Kali-Pro 70



Kali-Standard 71



Kali-Surface Mount 74



Twin Bar 75



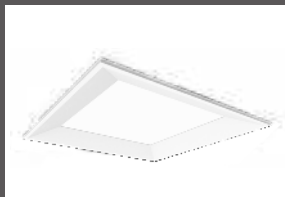
Nevis 76



Fixing Accessories 78



Kurve 79



Pyramid II 80

# Panel Comparison



Kali-Pro

595x595mm		TP(a)	595x595mm		TP(b)
4000lm (36W) (Default)	3100lm (27W) (Alternative)		3000lm (23W) (Default)	3300lm (28W) (Alternative)	

4000K	Wattage Switching	Plug & Play Emergency	Daylight Harvesting	1-10V (0-10V)
6500K				
UGR <17	Flicker Free	Motion Sensor		
				DALI
				Easylink RF

595x595mm		TP(b)
4200lm (40W)		
4000K	6500K	

595x1195mm		TP(b)
6300lm (60W) (Default)	7500lm (80W) (Alternative)	
4000K	6500K	

Wattage Switching	
-------------------	--

Plug & Play Emergency	Daylight Harvesting <small>(Not for KLED6080PNL)</small>
Motion Sensor	
Flicker Free	1-10V (0-10V)
	DALI
	Easylink RF



Kali-Standard



Alden-Pro

595x595mm		TP(a)
3200lm 3400lm 3400lm (30W)		

3000K 4000K 6500K CCT Switching
--

295x1195mm		TP(a)
3040lm 3240lm 3240lm (27W) (Default)	3960lm 4160lm 4160lm (36W) (Alternative)	

595x1195mm		TP(a)
6150lm 6350lm 6350lm (54W) (Default)	7970lm 8170lm 8170lm (72W) (Alternative)	

3000K 4000K 6500K CCT Switching	Wattage Switching
--	-------------------

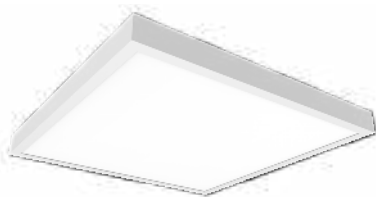
Flicker Free
Plug & Play Emergency
1-10V (0-10V)
DALI
Easylink RF



Alden

595x595mm		TP(a)
3200lm (30W)		
3000K 4000K 6500K		
Flicker Free		

Plug & Play Emergency	1-10V (0-10V)
	DALI
	Easylink RF



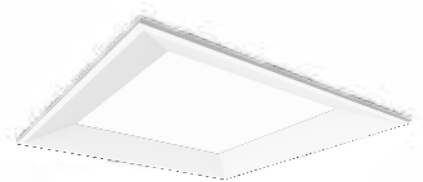
Kali-Surface Mount

595x595mm		TP(b)
3200lm (30W)		
4000K		
Plug & Play Emergency	Motion Sensor	Daylight Harvesting
1-10V (0-10V)	DALI	Easylink RF



Twin Bar

595x595mm		TP(b)
3200lm (30W) (Default)	4200lm (40W) (Alternative)	
4000K	6500K	
Plug & Play Emergency	Motion Sensor	Wattage Switching
1-10V (0-10V)	Flicker Free	Easylink RF



Pyramid II

595x595mm		TP(b)
2900lm (30W)		
4000K		
Plug & Play Emergency	Motion Sensor	Wattage Switching
1-10V (0-10V)	DALI	Easylink RF

# LED Panels & Fire Safety

*Diffuser of LED panels used in suspended ceiling **MUST** be **TP(b)** or **TP(a)** rated  
- According to Building Regulation Part B*

**ALL** Kosnic LED panels use **TP(b)** or **TP(a)** rated fire resisting diffusers.



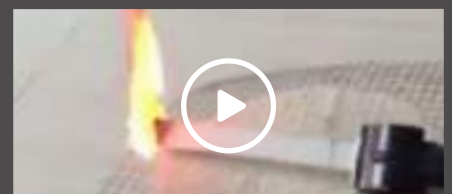
Alden

Kalli-Pro

Alden-Pro

## How does a diffuser burn?

Scan the QR code to see our video on YouTube showing how different types of diffusers burn.



# Alden

Backlit LED panel with emergency option

Plug-in emergency 

Flicker free 

- Save up to 50% energy usage compared to traditional fluorescent fittings
  - TP(a) rated diffuser
- Square edge tray with robust structure to allow even light distribution around the edge
- DALI, 1-10V (0-10V) and PUSH alternative driver available
  - IP44 when ceiling recess mounted
  - Flicker free
  - UGR<19



- 3** Years Standard Warranty
- 5** Years Extended Warranty
- 1000V** Surge Protection
- DALI & 1-10V (0-10V)** Dimmable Options

## New Optional Gear



Standard/Self-test universal emergency module  
UEM II 



Optional Connector  
KCON3FM

Order Code	Power	Dimension	CCT	Lumen	Trade Price
KPNL30BL1	30W	595x595	3000K 4000K 6500K	<b>3200lm</b>	<b>£72.33</b>

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£68.46</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>

### Accessories

Type	Order Code	Description	Trade Price
Surface mount frame	KTPNL/SMT-WHT0606	595x595mm surface-mount frame, white	<b>£43.65</b>
Suspension kits	KTPNL/SUS0606	595*595mm Suspension set	<b>£10.81</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

### General Specification

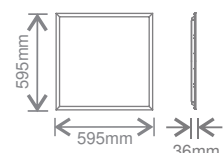
Voltage	220-240Vac 50-60Hz
CRI	>83
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 40°C
Housing	Powder coated aluminum
Diffuser	Polystyrene TP(a)



### Order Code

KPNL30BL1-W30  
KPNL30BL1-W40  
KPNL30BL1-W65

### Dimensions



- 5** Years Standard Warranty
- 7** Years Extended Warranty
- 1000V** Surge Protection
- DALI & 1-10V (0-10V)** Dimmable Options

**New Optional Gear**



Standard/Self-test universal emergency module  
**UEM II** ↪ P37



Optional Connector  
**KCON3FM**

**General Specification**

Voltage 220-240Vac  
 50-60Hz  
 CRI >80  
 Life Time 40,000h  
 Power Factor >0.95  
 Ambient Temp -20°C to 40°C  
 Housing Powder coated aluminum  
 Diffuser TP(a)



# Alden-Pro

Switchable CCT / wattage backlit LED panel with emergency option

- Switchable CCT (3000K/4000K/6500K)
- Switchable wattage for 1195mm x 595mm and 1195mm x 295mm models
- TP(a) rated diffuser
- Square edge tray with robust structure to allow even light distribution around the edge
- DALI, 1-10V (0-10V) and PUSH alternative driver available
- IP44 when ceiling recess mounted
- Flicker free
- UGR<19

- Plug-in emergency
- CCT switching
- Wattage switching
- Flicker free



Order Code	Power	Dimension	CCT	Lumen	Trade Price
KPNL30BL2	30W	595x595	Switchable*	<b>3200lm</b> (3000K) <b>3400lm</b> (4000K) <b>3400lm</b> (6500K)	<b>£92.21</b>

Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KPNL2736BL2/1203	27W	-	1195x295mm	Switchable*	<b>3040lm</b> (3000K) <b>3240lm</b> (4000K) <b>3240lm</b> (6500K)	<b>£122.46</b>
	-	36W	1195x295mm	Switchable*	<b>3960lm</b> (3000K) <b>4160lm</b> (4000K) <b>4160lm</b> (6500K)	
	54W	-	1195x595mm	Switchable*	<b>6150lm</b> (3000K) <b>6350lm</b> (4000K) <b>6350lm</b> (6500K)	
KPNL5472BL2/1206	-	72W	1195x595mm	Switchable*	<b>7970lm</b> (3000K) <b>8170lm</b> (4000K) <b>8170lm</b> (6500K)	<b>£267.29</b>

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6500K

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KPNL30BL2	<b>£68.46</b>
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KPNL2736BL2 (2 x dimmable driver for KPNL5472BL2)	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>

### Accessories

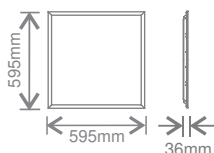
Type	Order Code	Description	Trade Price
Surface mount frame	KPTPNL/SMT-WHT0606	595x595mm surface-mount frame, white	<b>£43.65</b>
Surface mount frame	KPTPNL/SMT-WHT1203	295x1195mm surface-mount frame, white	<b>£68.70</b>
Surface mount frame	KPTPNL/SMT-WHT1206	595x1195mm surface-mount frame, white	<b>£79.81</b>
Suspension kits	KPTPNL/SUS0606	595*595mm Suspension set	<b>£10.81</b>
Suspension kits	KPTPNL/SUS1203	295x1195mm Suspension set	<b>£16.35</b>
Suspension kits	KPTPNL/SUS1206	595x1195mm Suspension set	<b>£16.35</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

#### Order Code

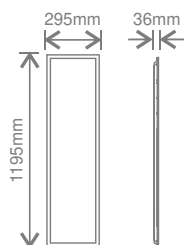
KPNL30BL2/SCT

KPNL2736BL2/1203-SCT  
KPNL5472BL2/1206-SCT

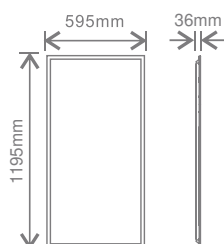
#### Dimensions



KPNL30BL2/SCT



KPNL2736BL2/1203-SCT



KPNL5472BL2/1206-SCT

## Daylight Harvesting

This row of panel installed next to windows dims down by the daylight harvesting driver.



This was a great project to be involved in, we've been fortunate enough to have long standing business relationships with both Shropshire Star and the engineers, which always helps make these jobs easier, and of course we always get great support from the Kosnic sales and technical team.

– Paul Turner, Manager at ETC Electrical

### Shropshire Star case study

Location: Shropshire

Solution: 84x 30w Kali Panel and 60x Daylight harvesting controls

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**DALI & 1-10V (0-10V)**  
Dimmable Options

**New Optional Gear**



**General Specification**

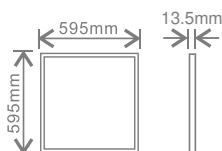
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Diffuser Polystyrene TP(a)



**Order Code**

KLED3627PNL-W40  
KLED3627PNL-W65  
KLED2328PNL-W40  
KLED2328PNL-W65

**Dimensions**



# Kali-Pro

**Premium LED panels**

- Save up to 70% energy usage compared to traditional fluorescent fittings
- Ultra-low glare, UGR < 17\*
- TP(a) fire resistant diffuser
- Flicker free
- Optional DALI, 1-10V (0-10V) driver
- IP44 when ceiling recess mounted
- White powder coated aluminium frame



- Plug-in emergency
- Plug-in on/off sensor
- Wattage switching
- Flicker free
- Modular design
- Ultra high efficiency

**Ultra-Low Glare (UGR<17\*)**

Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KLED3627PNL	36W	-	595x595mm	4000K 6500K	<b>4000lm</b>	<b>£146.87</b>
	-	27W	595x595mm	4000K 6500K	<b>3100lm</b>	

**Highly Efficient (>130lm/w)**

Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KLED2328PNL	23W	-	595x595mm	4000K 6500K	<b>3000lm</b>	<b>£117.34</b>
	-	28W	595x595mm	4000K 6500K	<b>3400lm</b>	

**Optional Gears**

Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KLED3627PNL	<b>£82.92</b>
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KLED2328PNL	<b>£68.46</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	Presence sensor dedicated to LED panel	<b>£51.30</b>
Daylight Harvesting	CYS50DLH-PNL	Daylight harvesting control unit	<b>£95.84</b>

**Accessories**

Type	Order Code	Description	Trade Price
Surface mount frame	KPTPNL/SMT-WHT0606	595x595mm surface-mount frame, white	<b>£43.65</b>
Suspension kits	KPTPNL/SUS0606	595x595mm Suspension set	<b>£10.81</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room



# Kali-Standard

(595 x 595mm)

Flicker free LED panels for schools and offices

Plug-in emergency 

Plug-in on/off sensor 

Flicker free 

Modular design 

- Save up to 60% energy usage compared to traditional fluorescent fittings
  - Low glare, UGR < 19\*
- TP(b) fire resistant polycarbonate diffuser
  - Flicker free
- Optional DALI, 1-10V (0-10V) driver
  - IP44 when ceiling recess mounted
- White powder coated aluminium frame



Order Code	Power	Dimension	CCT	Lumen	Trade Price
KLED40PNL	40W	595x595mm	4000K 6500K	<b>4200lm</b>	<b>£102.92</b>

## Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>
Daylight harvesting	CYS50DLH-PNL	Daylight harvesting control unit	<b>£95.84</b>

## Accessories

Type	Order Code	Description	Trade Price
Surface mount frame	KPTPNL/SMT-WHT0606	595x595mm surface-mount frame, white	<b>£43.65</b>
Suspension kits	KPTPNL/SUS0606	595x595mm Suspension set	<b>£10.81</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**1000V** Surge Protection

**DALI & 1-10V (0-10V)** Dimmable Options

## New Optional Gear

  
Standard/Self-test universal emergency module  
UEM II 

  
Dimmable LED driver with integrated sensor  
Driver with Sensor 

  
Optional Connector  
KCON3FM

## General Specification

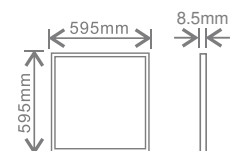
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.95  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Diffuser Polycarbonate TP(b)



## Order Code

KLED40PNL-W40  
KLED40PNL-W65

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**DALI & 1-10V** (0-10V)  
Dimmable Options

**New Optional Gear**



**General Specification**

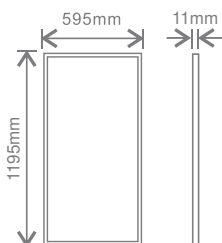
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Diffuser Polycarbonate TP(b)



**Order Code**

KLED6080PNL-W40  
KLED6080PNL-W65

**Dimensions**



# Kali-Standard

(595 x 1195mm)

Flicker free LED panels for schools and offices

- Save up to 60% energy usage compared to traditional fluorescent fittings
- Low glare, UGR < 19\*
- TP(b) fire resistant polycarbonate diffuser
- Flicker free
- Optional DALI, 1-10V (0-10V) driver
- IP44 when ceiling recess mounted
- White powder coated aluminium frame

Plug-in emergency

Plug-in on/off sensor

Wattage switching

Flicker free

Modular design



Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KLED6080PNL	60W	-	595x1195mm	4000K 6500K	<b>6300lm</b>	<b>£331.98</b>
	-	80W	595x1195mm	4000K 6500K	<b>7500lm</b>	

**Optional Gears**

Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver (2 x dimmable driver for KLED6080PNL)	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>

**Accessories**

Type	Order Code	Description	Trade Price
Surface mount frame	KTPNL/SMT-WHT1206	595x1195mm surface-mount frame, white	<b>£79.81</b>
Suspension kits	KTPNL/SUS1206	595x1195mm Suspension set	<b>£16.35</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room

# Kali-Standard

(495 x 495mm)

Flicker free LED panels for schools and offices

Plug-in emergency 

Plug-in on/off sensor 

Flicker free 

Modular design 

- Save up to 60% energy usage compared to traditional fluorescent fittings
  - Low glare, UGR < 19\*
- TP(b) fire resistant polycarbonate diffuser
  - Flicker free
- Optional DALI, 1-10V (0-10V) driver
  - IP44 when ceiling recess mounted
- White powder coated aluminium frame



**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**1000V** Surge Protection

**DALI & 1-10V (0-10V)** Dimmable Options

## New Optional Gear

  
Standard/Self-test universal emergency module  
UEM II 

  
Dimmable LED driver with integrated sensor  
Driver with Sensor 

  
Optional Connector  
KCON3FM

## General Specification

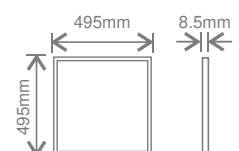
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.95  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Diffuser Polycarbonate TP(b)



## Order Code

KLED30PNL0505-W40  
KLED30PNL0505-W65

## Dimensions



Order Code	Power	Dimension	CCT	Lumen	Trade Price
KLED30PNL0505	30W	495x495mm	4000K 6500K	<b>3200lm</b>	<b>£99.21</b>

## Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£68.46</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>
Daylight harvesting	CYS50DLH-PNL	Daylight harvesting control unit	<b>£95.84</b>

## Accessory

Type	Order Code	Description	Trade Price
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**DALI & 1-10V (0-10V)**  
Dimmable Options

**New Optional Gear**



Dimmable LED driver with integrated sensor  
Driver with Sensor [P19](#)

**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI >83  
Life Time 40,000h  
Power Factor >0.95  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Diffuser Polycarbonate TP(b)



# Kali-Surface Mount

Surface Mounted LED Panel with Emergency Option

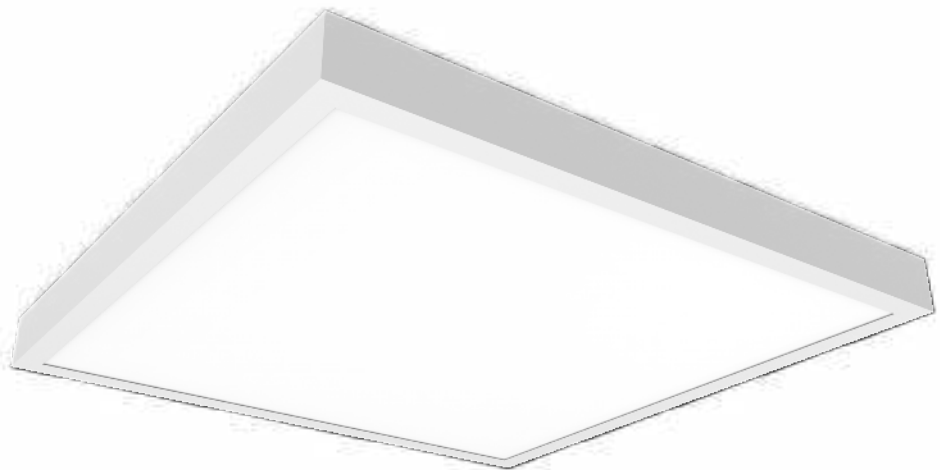
- Save up to 50% energy usage compared to traditional fluorescent fittings
- Low glare, UGR < 19
- TP(b) fire resistant polycarbonate diffuser
- Flicker free
- Optional DALI, 1-10V (0-10V) driver

Plug-in emergency

Plug-in on/off sensor

Flicker free

Modular design



Order Code	Power	Dimension	CCT	Lumen	Trade Price
KSMT30PNL	30W	595*595mm	4000K	<b>3200lm</b>	<b>£172.70</b>

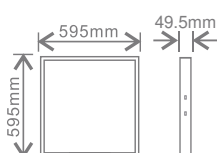
**Optional Gears**

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£68.46</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>
Daylight harvesting	CYS50DLH-PNL	Daylight harvesting control unit	<b>£95.84</b>

**Order Code**

KSMT30PNL-W40

**Dimensions**



# Twin Bar

Ceiling luminaire with two parallel edge-lit LED panels

Plug-in emergency 

Plug-in on/off sensor 

Wattage switching 

Flicker free 

Modular design 

- Save up to 60% energy usage compared to traditional fluorescent fittings
  - Low glare, UGR < 19\*
- TP(b) fire resistant polycarbonate diffuser
  - Flicker free
- Optional DALI, 1-10V (0-10V) driver
- White powder coated aluminium frame



**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**1000V** Surge Protection

**DALI & 1-10V (0-10V)** Dimmable Options

## New Optional Gear



Dimmable LED driver with integrated sensor  
Driver with Sensor 



Optional Connector  
KCON3FM

## General Specification

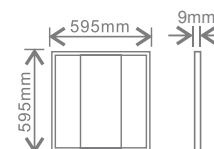
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.93
Ambient Temp	-20°C to 40°C
Housing	Powder coated aluminum
Diffuser	Polycarbonate TP(b)



## Order Code

KTWB3040PNL-W40  
KTWB3040PNL-W65

## Dimensions



Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KTWB3040PNL	30W	-	595x595mm	4000K 6500K	<b>3200lm</b>	<b>£167.67</b>
	-	40W	595x595mm	4000K 6500K	<b>4200lm</b>	

## Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>

## Accessories

Type	Order Code	Description	Trade Price
Surface mount frame	KPTPNL/SMT-WHT0606	595x595mm surface-mount frame, white	<b>£43.65</b>
Suspension kits	KPTPNL/SUS0606	595x595mm Suspension set	<b>£10.81</b>
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room

**Patent**

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**DALI & 1-10V (0-10V)**  
Dimmable Options

**1000V**  
Surge Protection



# Nevis

## CAT 2 LED Twin Strip Louvre Panel

- Switchable CCT (3000K/4000K/5000K)
- Low glare UGR < 16
- Supplied with flicker-free DC driver as standard
- Optional DALI, 1-10V (0-10V) driver
- CAT 2 replacement

Plug-in emergency

CCT switching

Wattage switching

Flicker free



### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Powder coated aluminum  
Optical Polycarbonate reflector TP(a)



Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KTSL2328PNL	23W	-	595x595mm	Switchable*	2900lm (3000K) 3000lm (4000K) 3000lm (5000K)	£178.51
	-	28W	595x595mm	Switchable*	3300lm (3000K) 3400lm (4000K) 3400lm (5000K)	

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver	£68.46
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	£96.73
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	£119.23

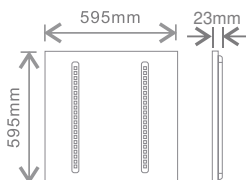
### Accessories

Type	Order Code	Description	Trade Price
Surface mount frame	KTPNL/SMT-WHT0606	595*595mm surface-mount frame, white	£43.65
Suspension kits	KPTSL/SUS0606	595*595mm Suspension set	£9.89

### Order Code

KTSL2328PNL/SCT

### Dimensions





Kosnic Lighting France have allowed us to achieve an optimal result in terms of visual comfort and energy savings.

– Alain Bourquin, Chief technical officer

### **Lycée Hector Berlioz case study**

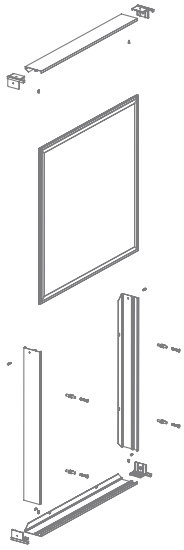
Location: Vincennes, Paris, France

Solution: Nevis, CAT 2 LED twin strip louvre panel and the Alden 600\*600 back lit LED panel

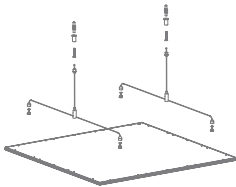
# Fixing Accessories

Surface mount and suspension mount accessories

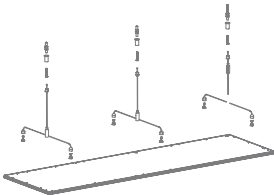
## Surface mount



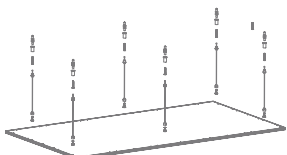
## Suspension mount



595\*595mm



295\*1195mm



595\*1195mm



KCON3FM

### Order Code

- KPTPNL/SMT-WHT0606
- KPTPNL/SMT-WHT1203
- KPTPNL/SMT-WHT1206
- KPTPNL/SMT-ECO1-WHT
- KPTPNL/SUS0606
- KPTPNL/SUS1203
- KPTPNL/SUS1206
- KCON3FM



▲ Surface mount frame



▲ Suspension kits

Type	Order Code	Description	Trade Price
Surface mount frame	KPTPNL/SMT-WHT0606	595*595mm surface-mount frame, white	£43.65
Surface mount frame	KPTPNL/SMT-WHT1203	295*1195mm surface-mount frame, white	£68.70
Surface mount frame	KPTPNL/SMT-WHT1206	595*1195mm surface-mount frame, white	£79.81
Surface mount bracket	KPTPNL/SMT-ECO1-WHT	595*595mm surface-mount bracket, white	£27.22
Suspension kits	KPTPNL/SUS0606	595*595mm Suspension set	£10.81
Suspension kits	KPTPNL/SUS1203	295*1195mm Suspension set	£16.35
Suspension kits	KPTPNL/SUS1206	595*1195mm Suspension set	£16.35
Connector	KCON3FM	Junction Box Connector - 3 Pin	£7.12



# Kurve

Direct / indirect LED modular Luminaire

- Stylish & elegant aesthetic appearance
- Flicker free
- Ultra-low glare, UGR < 17.4\*
- Optional DALI, 1-10V (0-10V) driver
- Colour temperature switchable 3000K/4000K/5000K

Plug-in emergency 

Wattage switching 

CCT switching 

Flicker free 

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**DALI & 1-10V (0-10V)**  
Dimmable Options



## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.93
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel
Diffuser	Acrylic



Order Code	Default Power	Alternative Power	Dimension	CCT	Lumen	Trade Price
KMRC4030L2A	40W	-	595x595mm	Switchable**	<b>3600lm</b>	<b>£381.74</b>
	-	30W	595x595mm	Switchable**	<b>2800lm</b>	

## Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>

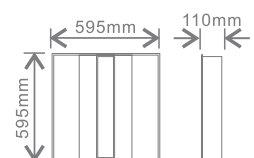
\* With room size of 4h x 2h, where h is the height of the room

\*\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

## Order Code

KMRC4030L2A/SCT

## Dimensions



- 5** 5 Years  
Standard Warranty
- 7** 7 Years  
Extended Warranty
- 1000V**  
Surge Protection
- DALI & 1-10V (0-10V)**  
Dimmable Options



Optional Connector  
KCON3FM

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.93  
Ambient Temp -20°C to 40°C  
Housing Zinc coated sheet steel  
Diffuser Polycarbonate TP(b)

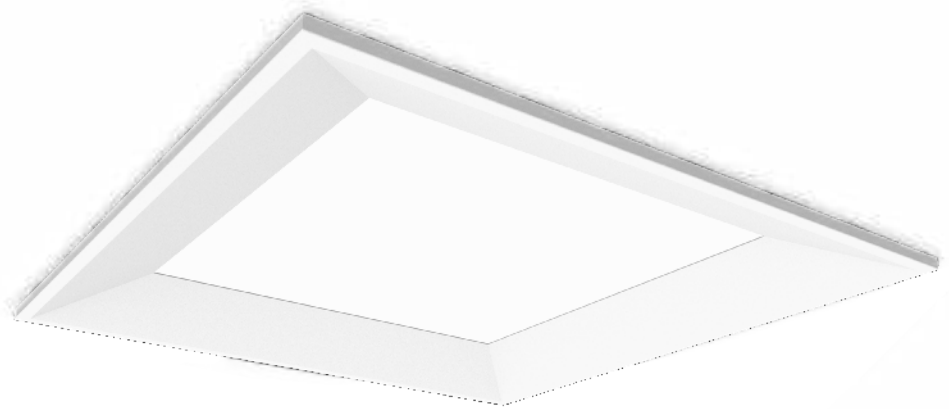


# Pyramid II

Low glare recessed LED modular luminaire

- Save up to 60% energy usage compared to traditional fluorescent fittings
- Low glare, UGR<19\*
- Flicker free
- Optional DALI, 1-10V (0-10V) driver

- Plug-in emergency
- Plug-in on/off sensor
- Flicker free



Order Code	Power	Dimension	CCT	Lumen	Trade Price
KPYD30PNL2	30W	595x595mm	4000K	<b>2900lm</b>	<b>£127.56</b>

### Optional Gears

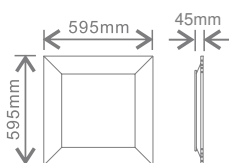
Type	Order Code	Description	Trade Price
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£82.92</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>

### Accessory

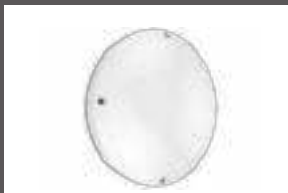
Type	Order Code	Description	Trade Price
Connector	KCON3FM	Junction Box Connector - 3 Pin + Loop	<b>£7.12</b>

\* With room size of 4h x 2h, where h is the height of the room

### Dimensions



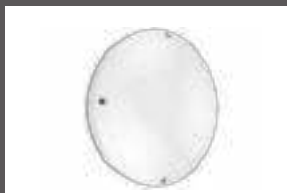
Surface Luminaire



Blanca 86



Blanca-i 87



Blanca-i Pro 89



Ossa 93



Ossa-i 94



Pico 97



Pico-i 98



Polo 99



Meola 100



Codale 101



Portage 102



Viso 104



Viso-i 105



Etna 106



Alto 107



Kaz 108



Kabru 109

# Bulkhead Comparison

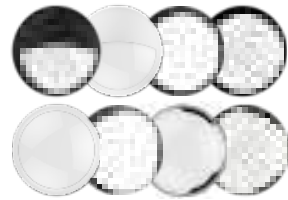


Blanca

<b>Ø310mm</b>		Plug & Play Emergency
DD	K2D	

IP65	20mm Conduit Entry
IK10	

Interchangeable Ring



<b>Ø260mm</b>	<b>Ø330mm</b>	
DD	DD	K2D

<b>Ø380mm</b>	IP44
---------------	------

DD	K2D	Plug & Play Emergency
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Pico



Ossa

<b>Ø300mm</b>	Plug & Play Emergency
K2D	

IP65	20mm Conduit Entry
IK10	

Interchangeable Ring



<b>Ø284mm</b>	Plug & Play Emergency
DD	

IP65	20mm Conduit Entry
IK10	

Interchangeable Ring



Viso

9W	12W	18W
1050lm (4000K)	1220lm (2700K) 1320lm (4000K) 1320lm (6500K)	1780lm (2700K) 1880lm (4000K) 1880lm (6500K)

2700K	GR8
4000K	
6500K	GR10q

Sensor
Dimmable
Dusk to Dawn



DD



DD EME

<b>2W</b>
<b>2000mAh</b>
Emergency Operation Time >3h

18W (Default)	9W (Alternative)	12W (Alternative)
2200lm 2600lm 2600lm	1080lm 1200lm 1200lm	1450lm 1600lm 1600lm

Wattage Switching	
CCT Switching	GR10q
3000K 4000K 5000K	
Sensor	



K2D



Self-test DD EME

<b>3W</b>
<b>2200mAh</b>
Emergency Operation Time >3h

# Integrated Bulkhead Comparison



Blanca-i

<b>Ø310mm</b>	<b>4000K</b>
12W (1260lm)	<b>IP65</b>
	<b>IK10</b>
Plug & Play Emergency	
Plug & Play Motion Sensor	
Interchangeable Ring	
20mm Conduit Entry	Flicker Free



Ø310mm			<b>CCT Switching</b> 3000K 4000K 5000K
<b>18W</b> (Default)	<b>9W</b> (Alternative)	<b>12W</b>	
1580lm 1890lm 1890lm	830lm 950lm 950lm	1100lm 1260lm 1260lm	<b>IP65</b>
<b>IK10</b>			
<b>Wattage Switching</b>			
Plug & Play Emergency		Plug & Play Motion Sensor	
Interchangeable Ring			
20mm Conduit Entry		Flicker Free	



Blanca-i Pro



Ossa-i

<b>Ø300mm</b>	<b>CCT Switching</b> 3000K 4000K 5000K	<b>IP65</b>
12W 900lm 1050lm 1050lm		<b>IK10</b>
		<b>Flicker Free</b>
20mm Conduit Entry	Interchangeable Ring	
BESA box fixing points		
Built-in Emergency	Plug & Play Motion Sensor	



<b>Ø260mm</b>	<b>Ø330mm</b>
9W (730lm)	12W (880lm)
<b>Ø380mm</b>	<b>IP44</b>
18W (1350lm)	<b>4000K</b>
<b>Twist &amp; Lock Installation</b>	
Plug & Play Emergency	
Plug & Play Motion Sensor	



Pico-i



Polo

<b>Ø325mm</b>	<b>CCT Switching</b> 3000K 4000K 5000K
12W 1150lm 1260lm 1260lm	
<b>Twist &amp; Lock Installation</b>	<b>IP65</b>
	<b>IK10</b>

<b>Ø284mm</b>	<b>CCT Switching</b> 3000K 4000K 5000K	<b>IP65</b>
12W 1150lm 1260lm 1260lm		<b>IK10</b>
		<b>Flicker Free</b>
20mm Conduit Entry	Suitable for coastal installation	
Interchangeable Ring		
BESA box fixing points		
Built-in Emergency	Plug & Play Motion Sensor	



Viso-i



Meola

<b>Ø420mm</b>	<b>Ø520mm</b>
25W (2600lm)	40W (4000lm)
<b>CCT Switching</b> 3000K 4000K 5000K	<b>IP65</b>
	<b>IK10</b>
	<b>Flicker Free</b>
<b>Mains Dimmable</b>	
Plug-in Emergency	Integrated Motion Sensor

# Blanca LED Bulkhead

## Bulkhead for LED DD lamp with detachable rings

### Emergency Module

Optional plug-in 3hr maintained or non-maintained emergency module. Self-test version is also available.

### LED DD Range

Takes our comprehensive range of LED DD, providing wide choices of functionalities and specifications.

### Tamper-proof Screw (optional)

Tamper-proof screws and tool are available as optional accessories.

### Polycarbonate Cover

Made from virgin polycarbonate from **BAYER**, achieving high transmittance of **75%** and vandal resistance rating of **IK10**.

### Clip-on Ring Attachment

These easy to use clip-on rings give users installation flexibility and choice of appearance.

## Introducing the Blanca

Scan QR code for video



# CREATING 405 Product lines with

## 3 Options with plug-in emergency module

- Non-emergency
- Standard emergency
- Self-test emergency

## 9 Body style with ring attachment

- No ring
- With white & black eyelid
- With white, polished black, matt black, chrome, brass & satin chrome polo ring

## 15 LED DD modules

- 9W / 12W / 18W
- 2700K / 4000K / 6500K
- Motion sensor, dusk to dawn & dimmable

**Upgrade**  
Jun 2021  
Additional decorative rings

# Blanca

IP65 bulkhead for LED DD lamps

- Choice of clip-on rings
- IP65 and vandal resistant (IK10)
- Use with Kosnic LED DD range
- Option of base with emergency module
  - 20mm Conduit entry
  - BESA box fitting points

**5** 5 Years  
Standard Warranty

Built-in emergency 

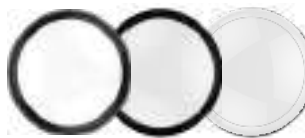
Plug-in self-test EM 

Interchangeable ring 

Modular design 



Eyelid (Black, White)  
KBHC6-TLID, KBHC6-TWLID



Polo (Polished Black, Matt Black, White)  
KBHC6-TPBL, KBHC6-TBLK, KBHC6-TWHT



Polo (Satin Chrome, Chrome, Brass)  
KBHC6-TSCH, KBHC6-TCHM, KBHC6-TBAS

**Upgrade**  
Jun 2021



Anti-vandal Screw Pack  
KPT-SCREW1



Anti-vandal Screw Driver  
KPT-SCREWDRIVER1

## General Specification

Voltage 220-240Vac  
50-60Hz  
LOR 78%  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



Order Code	Description	Trade Price
KBHDDC6S65	Polycarbonate bulkhead	<b>£40.20</b>
KBHDDC6S65-WHT	Polycarbonate bulkhead with white polo ring	<b>£46.99</b>

## Emergency Options

Order Code	Description	Trade Price
KBHDDC6S65/E	Standard emergency with LiFePO4 battery	<b>£101.86</b>
KBHDDC6S65/E-WHT	Standard emergency with LiFePO4 battery	<b>£110.50</b>

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	<b>£43.93</b>

## Optional Gear

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>

## Accessories

Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	<b>£1.63</b>
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	<b>£8.59</b>

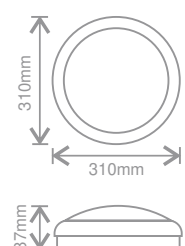
## Clip-on rings

Order Code	KBHC6-TLID	KBHC6-TWLID	KBHC6-TPBL	KBHC6-TBLK	KBHC6-TWHT
Trade Price	<b>£12.50</b>	<b>£10.79</b>	<b>£30.17</b>	<b>£11.12</b>	<b>£10.49</b>
Order Code	KBHC6-TSCH	KBHC6-TCHM	KBHC6-TBAS		
Trade Price	<b>£41.94</b>	<b>£28.00</b>	<b>£28.00</b>		

## Order Code

KBHDDC6S65  
KBHDDC6S65/E  
KBHDDC6S65-WHT  
KBHDDC6S65/E-WHT

## Dimensions



Patent



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**500V**  
Surge Protection



Anti-vandal Screw Pack  
KPT-SCREW1



Anti-vandal Screw Driver  
KPT-SCREWDRIVER1



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

### General Specification

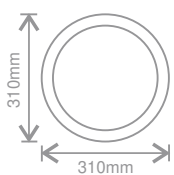
Voltage	220-240Vac 50-60Hz
CRI	85
Life Time	40,000h
Power Factor	0.60
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



### Order Code

KBHCT12C6S65-W40  
KBHCT12C6S65/E-W40

### Dimensions



# Blanca-i

Upgrade  
Jun 2021  
Additional  
decorative rings

IP65 bulkhead with integrated LED tray

- Choice of clip-on rings
- IP65 and vandal resistant (IK10)
- Integrated LED tray
- Option of base with emergency module
- Optional microwave sensor
- 20mm Conduit entry
- BESA box fitting points



Built-in emergency

Plug-in self-test EM

Plug-in corridor sensor

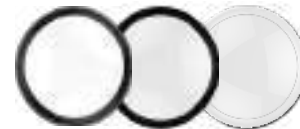
Interchangeable ring

Flicker free

Modular design



Eyelid (Black, White)  
KBHC6-TLID, KBHC6-TWLID



Polo (Polished Black, Matt Black, White)  
KBHC6-TPBL, KBHC6-TBLK, KBHC6-TWHT



Polo (Satin Chrome, Chrome, Brass)  
KBHC6-TSCH, KBHC6-TCHM, KBHC6-TBAS

Upgrade  
Jun 2021

Order Code	Description	Trade Price
KBHCT12C6S65	12W, 4000K, <b>1260lm(1130lm with trim)</b> Polycarbonate bulkhead	<b>£65.43</b>

### Emergency Option

Order Code	Description	Trade Price
KBHCT12C6S65/E	Standard emergency with LiFePO4 battery	<b>£123.54</b>

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	<b>£43.93</b>

### Optional Gears

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

### Accessories

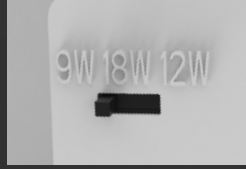
Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	<b>£1.63</b>
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	<b>£8.59</b>

### Clip-on rings

Order Code	KBHC6-TLID	KBHC6-TWLID	KBHC6-TPBL	KBHC6-TBLK	KBHC6-TWHT
Trade Price	<b>£12.50</b>	<b>£10.79</b>	<b>£30.17</b>	<b>£11.12</b>	<b>£10.49</b>
Order Code	KBHC6-TSCH		KBHC6-TCHM	KBHC6-TBAS	
Trade Price	<b>£41.94</b>		<b>£28.00</b>	<b>£28.00</b>	

# Blanca-i Pro LED Bulkhead

**Bulkhead** with integrated LED tray  
with detachable rings



Wattage Switch



CCT Switch



Plug-in Sensor



Plug-in  
Emergency



## Clip-on Ring Attachment

These easy to use clip-on rings give users installation flexibility and choice of appearance.

## Integrated LED Tray

Built-in LED tray with 170° ultra wide angle optic lens for each LED chip.

## Emergency Module

3hr maintained or non-maintained emergency module. Self-test version is also available as a plug-in module.

## Clip-in Microwave Sensor

Built-in housing for the microwave sensor which dims the drivers to achieve corridor function

## Polycarbonate Cover

Made from virgin polycarbonate from **BAYER**, achieving high transmittance of **75%** and vandal resistance rating of **IK10**.



## Introducing the Blanca

Scan QR code for video



# CREATING 486 Product lines with

## 6 Options with plug-in emergency module & Sensor

- None
- Sensor
- Standard emergency
- Self-test emergency
- Sensor+Standard emergency
- Sensor+Self-test emergency

## 9 Body style with ring attachment

- No ring
- With white & black eyelid
- With white, polished black, matt black, chrome, brass & satin chrome polo ring

## 9 Settings for the light source

- Watt switching: 9W/12W/18W
- CCT switching: 3000K/4000K/5000K

Wattage switching



CCT switching



Built-in emergency



Plug-in self-test EM



Plug-in corridor sensor



Interchangeable ring



Flicker free



Modular design



# Blanca-i Pro

Multi-setting and multi-function IP65 bulkhead with integrated LED tray

- Wattage switchable 9W/12W/18W
- Switchable CCT (3000/4000/5000K)
  - Choice of clip-on rings
- IP65 and vandal resistant (IK10)
  - Integrated LED tray
- Option of base with emergency module
  - Optional microwave sensor
  - 20mm conduit entry
  - BESA box fitting points

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**500V** Surge Protection



Anti-vandal Screw Pack  
KPT-SCREW1



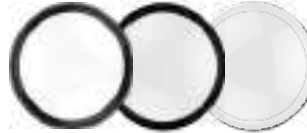
Anti-vandal Screw Driver  
KPT-SCREWDRIVER1



Microwave Sensor  
(Mounting height ≤ 8.5m)  
KBTNLS1-MWS2



Eyelid (Black, White)  
KBHC6-TLID, KBHC6-TWLID



Polo (Polished Black, Matt Black, White)  
KBHC6-TPBL, KBHC6-TBLK, KBHC6-TWHT



Polo (Satin Chrome, Chrome, Brass)  
KBHC6-TSCH, KBHC6-TCHM, KBHC6-TBAS

Upgrade  
Jun 2021

## General Specification

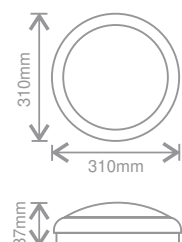
Voltage	220-240Vac 50-60Hz
CRI	85
Life Time	40,000h
Power Factor	>0.90
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



## Order Code

KBHCT9-18C6S65/SCT  
KBHCT9-18C6S65/E/SCT

## Dimensions



Order Code	Default Power	Alternative Power	CCT	Lumen (without ring)	Lumen (with white ring)	Trade Price
KBHCT9-18C6S65	-	9W	Switchable*	830lm(3000K) 950lm(4000K) 950lm(5000K)	710lm(3000K) 830lm(4000K) 830lm(5000K)	£73.39
	-	12W	Switchable*	1100lm(3000K) 1260lm(4000K) 1260lm(5000K)	970lm(3000K) 1130lm(4000K) 1130lm(5000K)	
	18W	-	Switchable*	1580lm(3000K) 1890lm(4000K) 1890lm(5000K)	1340lm(3000K) 1650lm(4000K) 1650lm(5000K)	

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

**Emergency Option**

Order Code	Description	Trade Price
KBHCT9-18C6S65/E/SCT	Standard emergency with LiFePO4 battery	<b>£116.83</b>

**Battery**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	<b>£43.93</b>

**Optional Gears**

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

**Accessories**

Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	<b>£1.63</b>
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	<b>£8.59</b>

**Clip-on rings**

Order Code	KBHC6-TLID	KBHC6-TWLID	KBHC6-TPBL	KBHC6-TBLK	KBHC6-TWHT
Trade Price	<b>£12.50</b>	<b>£10.79</b>	<b>£30.17</b>	<b>£11.12</b>	<b>£10.49</b>
Order Code	KBHC6-TSCH		KBHC6-TCHM	KBHC6-TBAS	
Trade Price	<b>£41.94</b>		<b>£28.00</b>	<b>£28.00</b>	

# Ossa LED Bulkhead

## Bulkhead for K2D lamp with detachable rings

### K2D Range

Ideal for use with the K2D LED modules which have multi-wattage and multi-colour temperature switching functions.

### Tamper-proof Screw (optional)

Tamper-proof screws and tool are available as optional accessories.

### Emergency Module

Optional plug-in 3hr maintained or non-maintained emergency module. Self-test version is also available.



### Polycarbonate Cover

Made from virgin polycarbonate by BAYER, achieving high transmittance of 75% and vandal resistance rating of IK10.

### Clip-on Ring Attachment

These easy to use clip-on rings give users installation flexibility and choices of appearance.



### Easy Fixing Tab

The plug-in emergency module is fixed to the base with 2 built-in turning tabs.

# CREATING | 810 Product Lines With

## 3 Options with plug-in emergency module

- Non-emergency
- Standard emergency
- Self-test emergency

## 10 Body style with ring attachment

- No ring
- With chrome & brass polo rings
- With matt black & grey edge rings
- With white, chrome, brass, polished black & satin chrome deco rings with back-light

## 2 Product Type with 27 settings

- 9W / 12W / 18W
- 2700K / 4000K / 5000K
- Standard, motion detection & corridor functions

# Ossa with Decorative Rings

## Detachable Rings

*with Metallic Finishings & Colour Back-light*



White



Brass



Chrome



Satin Chrome

Polished  
Black

Ø380mm

All pictures are for illustration purposes only, please refer to the real product for the actual colour and finish

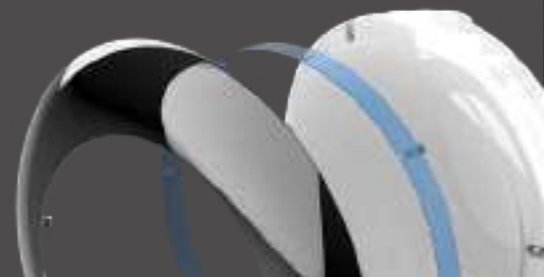
## Options of Back-light Filters

in the package of each detachable ring there are 3 colour back-light filters

Green

Blue

Red



**5** 5 Years  
Standard Warranty

**Ossa** Upgrade  
Jun 2021  
Additional decorative rings

### Slim IP65 bulkhead for K2D Lamps

- Choice of alternative decorative trims
- IP65 & vandal resistant (IK10)
- Optional plug-in emergency module
- 20mm Conduit entry
- Conduit entries are not covered by the decorative rings
- BESA box fitting points

Plug-in emergency

Interchangeable ring

Modular design



With 20mm conduit



Anti-vandal Screw Pack  
KPT-SCREW1



Anti-vandal Screw Driver  
KPT-SCREWDRIVER1

#### General Specification

Voltage 220-240Vac  
50-60Hz  
LOR 65%  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



Recommended lamps



K2D Sensor ↪ P252

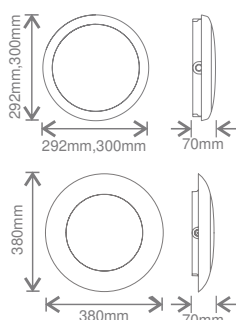


K2D Standard ↪ P251

#### Order Code

KBHDDC9S65-WHT

#### Dimensions



▲ Designed to use with the NEW K2D LED lamps  
(White detachable polo ring included)



Polo (Chrome, Brass)  
KBHC9-TCHM, KBHC9-TBAS



Edge (Matt Black, Grey)  
KBHC9-TBLK, KBHC9-TGRY



Deco rings with back-light  
(White, Chrome, Brass,  
Polished Black, Satin Chrome)  
KBHC9-TWHT-L, KBHC9-TCHM-L, KBHC9-TBAS-L,  
KBHC9-TPBL-L, KBHC9-TSCH-L

Upgrade  
Jun 2021



DD EME  
CEC02LBL/N



Self-test DD EME  
CEC03LBL/S

Order Code	Description	Trade Price
KBHDDC9S65-WHT	Polycarbonate bulkhead with white polo ring	£55.08

#### Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery	£75.88
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	£100.35

#### Accessories

Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	£1.63
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	£8.59

#### Clip-on rings

Order Code	KBHC9-TCHM	KBHC9-TBAS	KBHC9-TBLK	KBHC9-TGRY	
Trade Price	£31.04	£31.04	£14.72	£15.35	
Order Code	KBHC9-TCHM-L	KBHC9-TBAS-L	KBHC9-TPBL-L	KBHC9-TWHT-L	KBHC9-TSCH-L
Trade Price	£53.79	£54.21	£55.87	£19.88	£56.60

Patent

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 500V** Surge Protection



With 20mm conduit

# Ossa-i NEW Available Jul 2021

Slim IP65 bulkhead with integrated LED tray

- Switchable CCT (3000/4000/5000K)
- Choice of alternative decorative trims
- IP65 & vandal resistant (IK10)
- Integrated LED tray
- Option of base with emergency module
- Optional microwave sensor
- 20mm Conduit entry
- Conduit entries are not covered by the decorative rings
- BESA box fitting points

- CCT switching
- Built-in emergency
- Plug-in self-test EM
- Plug-in corridor sensor
- Interchangeable ring
- Flicker free
- Modular design



▲ White detachable polo ring included



Polo (Chrome, Brass)  
KBHC9-TCHM, KBHC9-TBAS



Edge (Matt Black, Grey)  
KBHC9-TBLK, KBHC9-TGRY



Deco rings with back-light  
(White, Chrome, Brass,  
Polished Black, Satin Chrome)  
KBHC9-TWHT-L, KBHC9-TCHM-L, KBHC9-TBAS-L,  
KBHC9-TPBL-L, KBHC9-TSCH-L

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



Order Code	Power	CCT	Lumen	Trade Price
KBHCT12C9S65/SCT	12W	Switchable*	900lm(3000K) 1050lm(4000K) 1050lm(5000K)	£91.49

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K



**Emergency Option**

Order Code	Description	Trade Price
KBHCT12C9S65/E/SCT	Standard emergency with LiFePO4 battery	<b>£143.08</b>

**Battery**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	<b>£43.93</b>

**Optional Gears**

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

**Accessories**

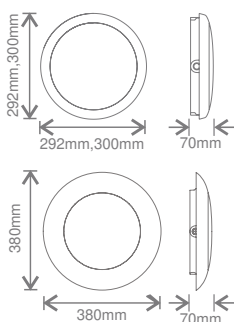
Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	<b>£1.63</b>
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	<b>£8.59</b>

**Clip-on rings**

Order Code	KBHC9-TCHM	KBHC9-TBAS	KBHC9-TBLK	KBHC9-TGRY	
Trade Price	<b>£31.04</b>	<b>£31.04</b>	<b>£14.72</b>	<b>£15.35</b>	
Order Code	KBHC9-TCHM-L	KBHC9-TBAS-L	KBHC9-TPBL-L	KBHC9-TWHT-L	KBHC9-TSCH-L
Trade Price	<b>£53.79</b>	<b>£54.21</b>	<b>£55.87</b>	<b>£19.88</b>	<b>£56.60</b>

**Patent****Order Code**

KBHCT12C9S65/SCT-WHT  
 KBHCT12C9S65/E/SCT-WHT

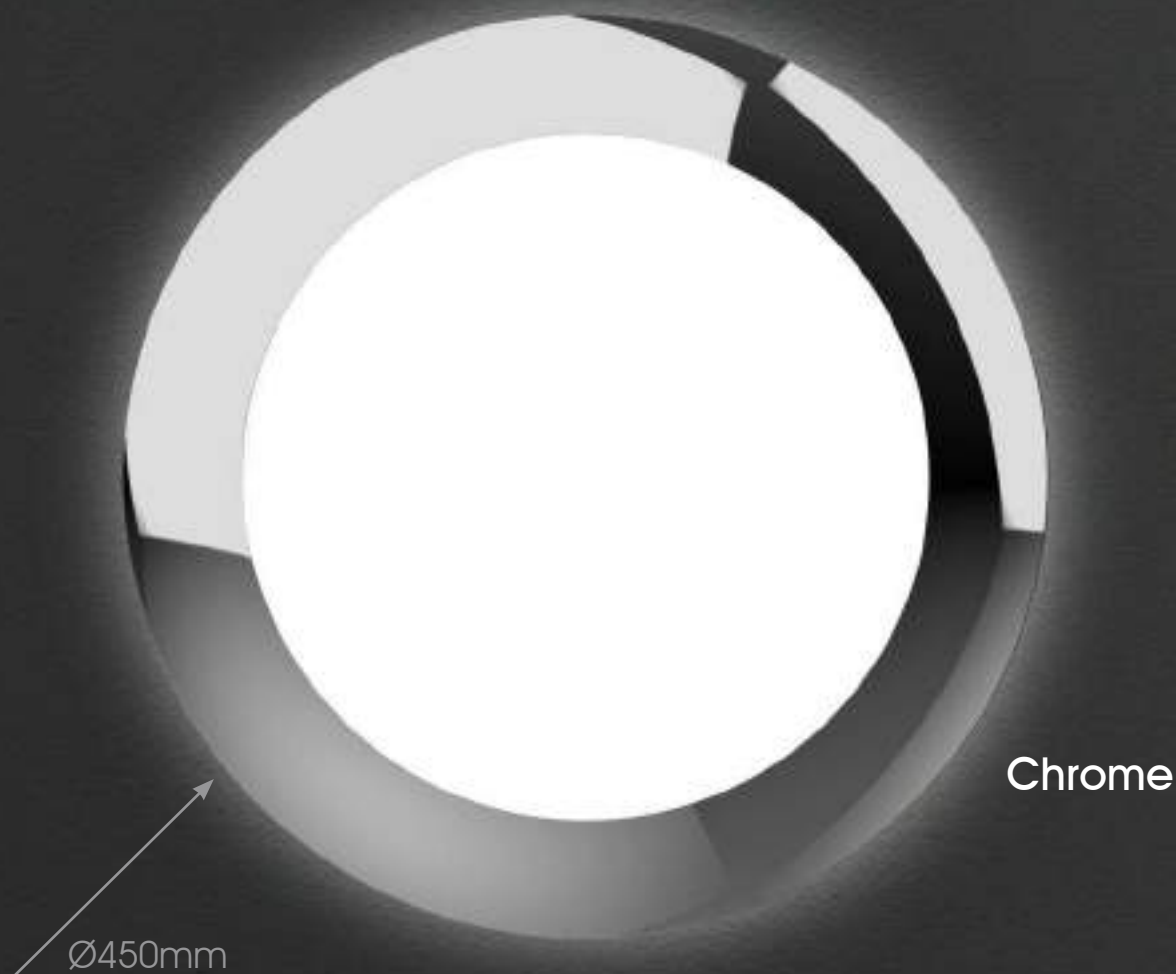
**Dimensions**

Pico-i with Decorative Rings

## Detachable Rings

*with Metallic Finishings & White Back-light*

A range of decorative clip-on ring with various finishes are now available for the 18W Pico-i and the large Pico *surface luminaire*



White



Brass



Satin Chrome



### Rotating Clips

4 rotating clips are at the back of the decorative ring. Simply turn the handle of the clips inward to lock the ring to the opal diffuser

**3** 3 Years  
Standard Warranty

# Pico

Upgrade  
Jun 2021  
Additional decorative rings

## Twist & lock fast-fit bulkhead for LED DD Lamps

### Recommended lamps



LED DD Standard  
↳ P254



LED DD Sensor  
↳ P256

### General Specification

Voltage 220-240Vac  
50-60Hz  
LOR 80%  
Ambient Temp -20°C to 40°C



- Twist & lock fast installation
- IP44
- Optional plug-in Emergency module

Plug-in emergency

Modular design



Upgrade  
Jun 2021



Chrome  
KBHC13-TCHM



Satin Chrome  
KBHC13-TSCH



Brass  
KBHC13-TBAS



White  
KBHC13-TWHT



DD EME  
CEC02LBL/N



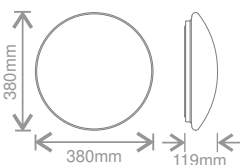
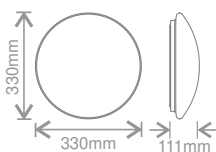
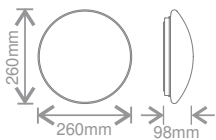
Self-test DD EME  
CEC03LBL/S



### Order Code

KBHDDC11S44  
KBHDDC12S44  
KBHDDC13S44

### Dimensions



Order Code	Description	Trade Price
KBHDDC11S44	IP44 twist & lock bulkhead, 260mm diameter	£22.24
KBHDDC12S44	IP44 twist & lock bulkhead, 330mm diameter	£28.77
KBHDDC13S44	IP44 twist & lock bulkhead, 380mm diameter (450mm diameter with clip-on ring)	£42.51

### Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery for KBHDDC12S44, KBHDDC13S44	£75.88
Self-Test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery for KBHDDC12S44, KBHDDC13S44	£100.35

### Clip-on rings (for KBHDDC13S44)

Order Code	KBHC13-TCHM	KBHC13-TSCH	KBHC13-TBAS	KBHC13-TWHT
Trade Price	£44.65	£56.76	£44.98	£17.94

**Upgrade**  
Jun 2021  
Additional decorative rings

# Pico-i

Twist & lock fast-fit bulkhead with integrated LED

- Twist & lock fast installation
- IP44
- Driver on board
- Optional plug-in Emergency module
- Optional microwave sensor

Plug-in emergency

Plug-in on/off sensor

Modular design



DD EME  
CEC02LBL/N



Self-test DD EME  
CEC03LBL/S



**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

**1000V** Surge Protection (L to GND)



Optional microwave Sensor  
(Mounting height ≤ 3m)  
KBHCTC8-MWS

### General Specification

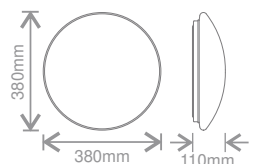
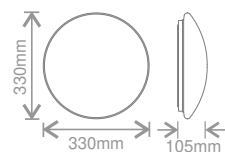
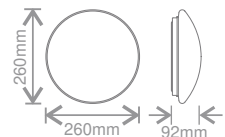
Voltage	220-240Vac 50-60Hz
CRI	85
Life Time	40,000h
Power Factor	0.60
Ambient Temp	-20°C to 40°C



### Order Code

KBHCT09C8S44-W40  
KBHCT12C8S44-W40  
KBHCT18C8S44-W40

### Dimensions



Order Code	Description	Trade Price
KBHCT09C8S44	260mm diameter, IP44, 9W, 4000K, <b>730lm</b>	<b>£32.84</b>
KBHCT12C8S44	330mm diameter, IP44, 12W, 4000K, <b>880lm</b>	<b>£55.74</b>
KBHCT18C8S44	380mm diameter (450mm diameter with clip-on ring), IP44, 18W, 4000K, <b>1350lm</b>	<b>£70.60</b>

### Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery for 12W and 18W models only	<b>£75.88</b>
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery for 12W and 18W models only	<b>£100.35</b>
Microwave Sensor	KBHCTC8-MWS	Automatic switching based on motion and light level for 12W and 18W models only	<b>£40.68</b>

\* Fitting can only take emergency or sensor not both at one time

### Clip-on rings (for KBHCT18C8S44)

Order Code	KBHC13-TCHM	KBHC13-TSCH	KBHC13-TBAS	KBHC13-TWHT
Trade Price	<b>£44.65</b>	<b>£56.76</b>	<b>£44.98</b>	<b>£17.94</b>

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**500V**  
Surge Protection



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI 84  
Life Time 40,000h  
Power Factor 0.92  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



# Polo

Upgrade  
Jul 2021  
CCT switching

Twist & Lock IP65 bulkhead with integrated LED tray

- Switchable CCT (3000/4000/5000K)
- Twist & lock ring for fast installation
- IP65 and vandal resistant (IK10)
- Integrated LED tray
- Option of base with emergency module
- Optional microwave sensor
- BESA box fitting points

CCT switching

Built-in emergency

Plug-in self-test EM

Plug-in corridor sensor

Flicker free

Modular design



Order Code	Power	CCT	Lumen	Trade Price
KBHCT12C2S65/SCT	12W	Switchable*	1150lm(3000K)	£73.01
			1260lm(4000K)	
			1260lm(5000K)	

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

### Emergency Option

Order Code	Description	Trade Price
KBHCT12C2S65/E/SCT	Standard emergency with LiFePO4 battery	£112.81

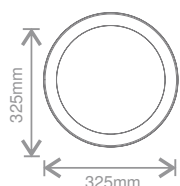
### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	£43.93

### Optional Gears

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	£100.35
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	£25.06

### Dimensions



### Order Code

KBHCT12C2S65/SCT-WHT  
KBHCT12C2S65/E/SCT-WHT

SPEC LINE

# Meola

Large ultra slim LED bulkhead

- Diameter of 420mm & 520mm
- IP65 and vandal resistant (IK10)
- Option of base with emergency module
- Integrated LED board for uniform light output
- High lumen output of up to 4000lm

Built-in emergency 

Plug-in self-test EM 

Built-in motion sensor 

CCT switching 

Flicker free 

Modular design 



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**Mains Dimmable**  
Dimmable



## General Specification

Voltage	220-240Vac 50-60Hz
CRI	84
Life Time	50000h
Power Factor	>0.85
Ambient Temp	-20°C to 50°C
Housing	Polycarbonate



Order Code	Description	Trade Price
KBHCT25C10S65/D-SCT	Dimmable, 420mm diameter, Class II, IP65, IK10, 25W, Switchable 3000K/4000K/5000K, <b>2500lm</b>	<b>£295.53</b>
KBHCT25C10S65/S-SCT	Sensor, 420mm diameter, Class II, IP65, IK10, 25W, Switchable 3000K/4000K/5000K, <b>2600lm</b>	<b>£295.53</b>
KBHCT40C10S65/D-SCT	Dimmable, 520mm diameter, Class II, IP65, IK10, 40W, Switchable 3000K/4000K/5000K, <b>3900lm</b>	<b>£395.10</b>
KBHCT40C10S65/S-SCT	Sensor, 520mm diameter, Class II, IP65, IK10, 40W, Switchable 3000K/4000K/5000K, <b>4000lm</b>	<b>£395.10</b>

## Emergency Option

Suffix	Description	Trade Price
/E	Emergency with Li-ion battery	<b>+£92.00</b>

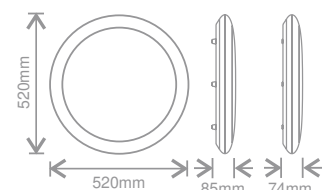
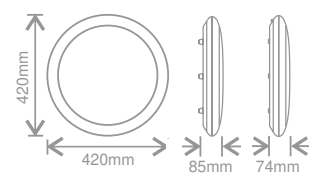
## Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.4V	<b>£49.12</b>

## Optional Gear

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

# Codale

SPEC LINE

Surface or pendant LED circular panel

- Choices of 400mm, 500mm, 600mm diameter
- Emergency and microwave sensor options
- Surface or suspension mounting
- Flicker free

 Built-in emergency

 Built-in motion sensor

 Flicker free



## General Specification

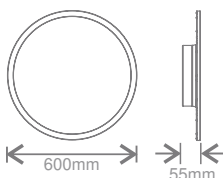
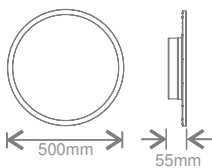
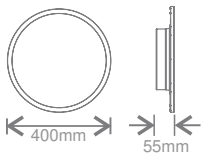
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 50°C
Housing	Anodized aluminum
Diffuser	Polycarbonate



## Order Code

KPNLLS25CS-W40  
KPNLLS30CS-W40  
KPNLLS35CS-W40  
KPNLLS-BB  
KPNLLS-BB/E  
KPNLLS-BB/S  
KPNLLS-BB/ES

## Dimensions



## Front LED panel (Must be ordered with back box)

Order Code	Power	Input Current	CCT	Lumen	Trade Price
KPNLLS25CS	25W	710mA	4000K	2100lm	£193.17
KPNLLS30CS	30W	710mA	4000K	2200lm	£235.49
KPNLLS35CS	35W	710mA	4000K	2940lm	£262.66

## Back Box (Must be ordered with front LED panel)

Order Code	Type	Output Current	Battery	Trade Price
KPNLLS-BB	Standard	710mA	/	£129.36

## Options

Suffix	Description	Trade Price
/E	Emergency with Li-ion battery	+£82.73
/S	Microwave sensor	+£29.27
/ES	Emergency & Microwave sensor	+£112.07

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.4V	£49.12

## Accessory

Type	Order Code	Description	Trade Price
Suspension kits	KPNLLS-SUS	Mounting plate with three wires. Up to 0.8m drop	£71.76

# Portage

Dimmable integrated LED Wall Light

Flicker free



- Up and down wall lighting (50% up / 50% down)
  - Integrated LED modules
  - Mains dimmable
- Negligible UV output, ideal for retail application

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)

**Mains Dimmable**  
Dimmable



## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.96  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminum



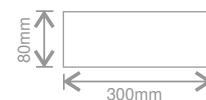
▲ KUDL16Q1

▲ KUDL07Q2

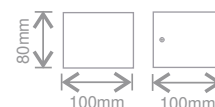
## Order Code

KUDL16Q1-W30  
KUDL07Q2-W30

## Dimensions



KUDL16Q1



KUDL07Q2

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KUDL16Q1	16W	120°	3000K	1100lm	£68.79
KUDL07Q2	7W	120°	3000K	380lm	£101.60



# Viso LED Bulkhead

## Bulkhead for K2D lamp with detachable rings

### Emergency Module

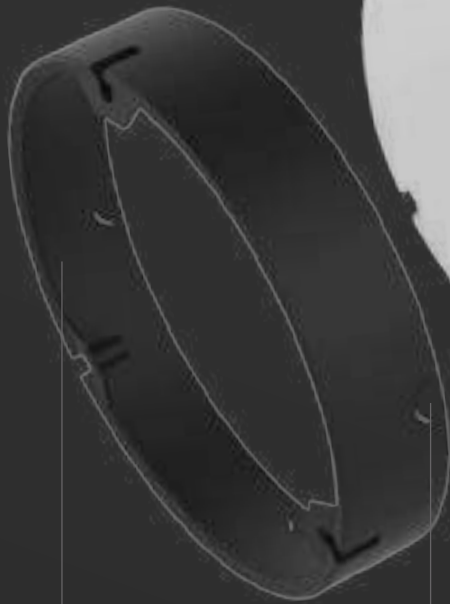
Optional plug-in 3hr emergency module. Self-test version is also available.

### K2D Range

Ideal for use with the K2D LED modules which have multi-wattage and multi-colour temperature switching functions.

### Tamper-proof Screw (optional)

Tamper-proof screws and tool are available as optional accessories.



### Vandal Resistant Ring Attachment

These ring attachments are securely fixed to the luminaire with screws.



Eyelid



### Polycarbonate Cover

Made from virgin polycarbonate by BAYER, achieving high transmittance of 68% and vandal resistance rating of IK10.

### Conduit Entry

Snap-off piece for 20mm conduit entry.



### Easy Fixing Tab

The plug-in emergency module is fixed to the base with 2 built-in turning tabs.

# CREATING | 405 Product Lines With

**3** Options with plug-in emergency module

- Non-emergency
- Standard emergency
- Self-test emergency

**5** Body style with ring attachment

- Standard
- With ring attachment
- With eyelid attachment

**2** Product type with 27 settings

- 9W / 12W / 18W
- 2700K / 4000K / 5000K
- Standard, motion detection & corridor functions

# Viso

IP65 & vandal proof bulkhead for K2D lamps

Plug-in emergency 

Interchangeable ring 

Modular design 

- Ring and eyelid shaped detachable ring
  - IP65 & vandal resistant (IK10)
- Optional plug-in emergency module
  - 20mm Conduit entry
- Suitable for coastal installation
  - BESA box fitting points



DD EME  
CEC02LBL/N



Self-test DD EME  
CEC03LBL/S

**5** 5 Years  
Standard Warranty



Anti-vandal Screw Pack  
KPT-SCREW1



Anti-vandal Screw Driver  
KPT-SCREWDRIVER1

### General Specification

Voltage 220-240Vac  
50-60Hz  
LOR 68%  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



Recommended lamps



K2D Sensor ↪ P252



K2D Standard ↪ P251

Order Code	Description	Trade Price
KBHDDC7S65	IP65 vandal resistant bulkhead with clip-on ring	£50.74

### Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery	£75.88
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	£100.35

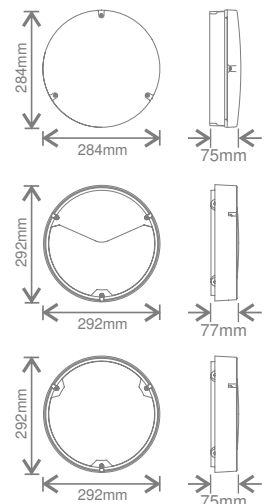
### Accessories

Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	£1.63
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	£8.59

### Detachable rings

Order Code	KBHC7-TLID	KBHC7-TBLK	KBHC7-TGRY	KBHC7-TGLID
Trade Price	£21.20	£18.09	£17.20	£18.59

### Dimensions



# Viso-i NEW Available Jul 2021

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**500V** Surge Protection



Anti-vandal Screw Pack  
KPT-SCREW1



Anti-vandal Screw Driver  
KPT-SCREWDRIVER1



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

## General Specification

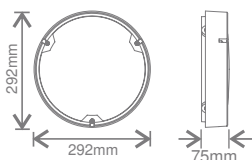
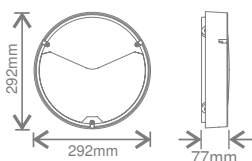
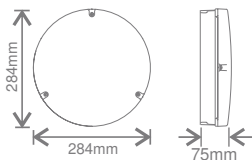
Voltage 220-240Vac  
50-60Hz  
CRI 84  
Life Time 40,000h  
Power Factor 0.9  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Order Code

KBHCT12C7S65/SCT  
KBHCT12C7S65/E/SCT

## Dimensions



IP65 & vandal proof bulkhead with integrated LED tray

- Switchable CCT (3000/4000/5000K)
- Ring and eyelid shaped detachable ring
- IP65 & vandal resistant (IK10)
- Integrated LED tray
- Option of base with emergency module
- Optional microwave sensor
- 20mm Conduit entry
- Suitable for coastal installation
- BESA box fitting points



CCT switching

Built-in emergency

Plug-in self-test EM

Plug-in corridor sensor

Interchangeable ring

Flicker free

Modular design

Order Code	Power	CCT	Lumen	Trade Price
KBHCT12C7S65/SCT	12W	Switchable*	1150lm(3000K) 1260lm(4000K) 1260lm(5000K)	£102.86

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

## Emergency Option

Order Code	Description	Trade Price
KBHCT12C7S65/E/SCT	Standard emergency with LiFePO4 battery	£161.11

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2000LFP1	LiFePO4	2000mAh	3.2V	£43.93

## Optional Gears

Type	Order Code	Description	Trade Price
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	£100.35
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	£25.06

## Accessories

Type	Order Code	Description	Trade Price
Screw	KPT-SCREW1	Anti-vandal screw 5/pack	£1.63
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack	£8.59

## Detachable rings

Order Code	KBHC7-TLID	KBHC7-TBLK	KBHC7-TGRY	KBHC7-TGLID
Trade Price	£21.20	£18.09	£17.20	£18.59

**5** 5 Years  
Standard Warranty

# Etna

Diecast aluminium exterior bulkhead for K2D lamps

Recommended lamps



K2D Sensor ↪ P252



K2D Standard ↪ P251

LED DD lamp  
↪ P254 - P257

- Diecast aluminium body
- IP65
- Vandal proof, IK10
- Anti-corrosion

Plug-in emergency

Modular design

## General Specification

Voltage 220-240Vac  
50-60Hz

Ambient Temp -20°C to 40°C  
Housing Diecast aluminium



Edge  
(Lamp not included)



Eyelid  
(Lamp not included)



DD EME  
CEC02LBL/N

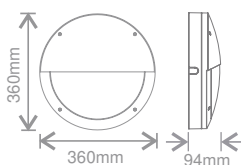
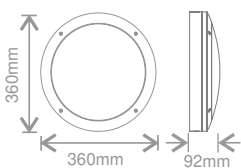


Self-test DD EME  
CEC03LBL/S

## Order Code

KBHDDC3S65-BLK  
KBHDDC4S65-BLK

## Dimensions



## Edge

Order Code	LOR	Description	Trade Price
KBHDDC3S65	70%	Diecast aluminium circular bulkhead	£106.64

## Eyelid

Order Code	LOR	Description	Trade Price
KBHDDC4S65	38%	Diecast aluminium circular bulkhead	£111.86

## Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery	£75.88
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	£100.35

# Alto

## Wall pack with integrated LED

- Diecast aluminium body & polycarbonate diffuser
- IP65
- Dusk to dawn / microwave sensor option
- BESA box fitting points

Built-in motion sensor 

Dusk to dawn sensor 



DD EME  
CEC02LBL/N



Self-test DD EME  
CEC03LBL/S

### Standard

Order Code	Power	CCT	Lumen	Trade Price
KWP30Q65	30W	4000K	<b>2750lm</b>	<b>£140.54</b>
KWP50Q65	50W	4000K	<b>4400lm</b>	<b>£155.62</b>

### Dusk to Dawn

Order Code	Power	CCT	Lumen	Trade Price
KWP30Q65/DS	30W	4000K	<b>2750lm</b>	<b>£159.47</b>
KWP50Q65/DS	50W	4000K	<b>4400lm</b>	<b>£174.56</b>

### Microwave Sensor

Order Code	Power	CCT	Lumen	Trade Price
KWP30Q65/MS	30W	4000K	<b>2750lm</b>	<b>£160.72</b>
KWP50Q65/MS	50W	4000K	<b>4400lm</b>	<b>£175.81</b>

### Optional Gears

Type	Order Code	Description	Trade Price
Emergency module	CEC02LBL/N	Emergency module, Li-ion battery	<b>£75.88</b>
Self-test Emergency module	CEC03LBL/S	Self-test emergency module, Li-ion battery	<b>£100.35</b>

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI 84  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate

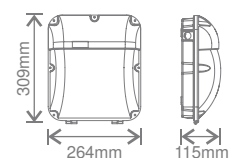


### Order Code

KWP30Q65-W40  
KWP30Q65/DS-W40  
KWP30Q65/MS-W40

KWP50Q65-W40  
KWP50Q65/DS-W40  
KWP50Q65/MS-W40

### Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

**Kaz** **NEW** Available  
Jul 2021

Narrow wall pack with integrated LED

- Anti-corrosion polycarbonate body
- Durable and rugged IK10 polycarbonate construction
- IP65
- Dusk to dawn sensor by default and rewirable
- BESA box fitting points



Dusk to dawn sensor

### General Specification

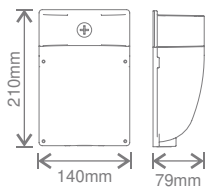
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.94  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



### Order Code

KWP15Q165/DS-W30  
KWP15Q165/DS-W40

### Dimensions



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KWP15Q165/DS	15W	120°	3000K 4000K	<b>1575lm</b> <b>1650lm</b>	<b>£73.42</b>

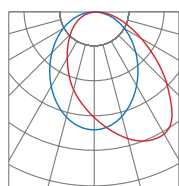
**NEW** Available Jul 2021 **Kabru**

Low glare exterior wall-mount LED luminaire

CCT switching 

Dusk to dawn sensor 

- CCT switchable 3000K/4000K/6500K
  - Dusk to dawn sensor by default
- Die-cast Anti-corrosion aluminium body
  - IP65 and vandal resistant IK10
  - BESA box fitting points



65° x 90°

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**2000V** Surge Protection (L to GND)

**General Specification**

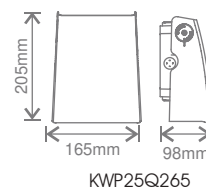
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 40°C
Housing	Aluminium



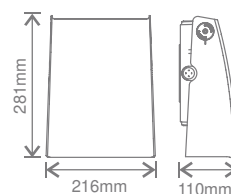
**Order Code**

KWP25Q265/DS-SCT  
KWP45Q265/DS-SCT

**Dimensions**



KWP25Q265



KWP45Q265

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KWP25Q265/DS	25W	65°x90°	Switchable*	2210lm(3000K)	<b>£95.12</b>
				2650lm(4000K)	
				2650lm(6500K)	
KWP45Q265/DS	45W	65°x90°	Switchable*	4100lm(3000K)	<b>£147.16</b>
				4750lm(4000K)	
				4750lm(6500K)	

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6500K



Kosnic replaces inefficient lighting at Yorkshire's professional car detailing specialists, Bespoke Detailing Solutions with the most up-to-date LED technology.

### **Bespoke Detailing Solutions**

Location: Brighouse

Solution: Kali Standard 295x1195mm panels and high lumen 7W GU10's





5  
Linear Luminaire



Lena 115



Niva II 116



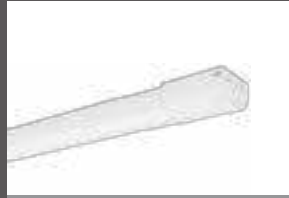
Mira 118



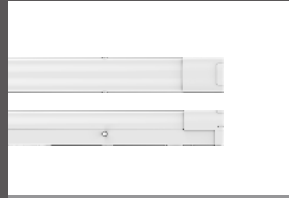
Kasai 119



Arno 120



Arno-Pro 121



Arno-Retro 122



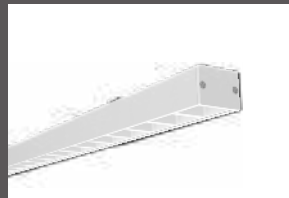
Slim-Line 123



Kennet 124



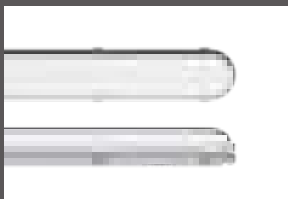
Milo 125



Isar 126



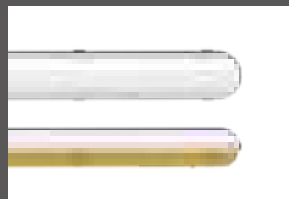
Nile II 127



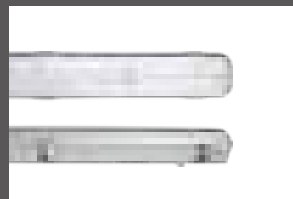
Congo 131



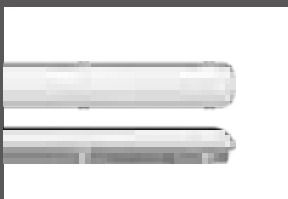
Trent 132



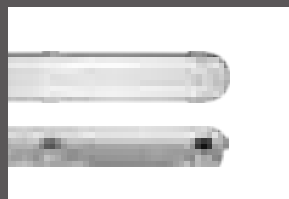
Trent OnSite 134



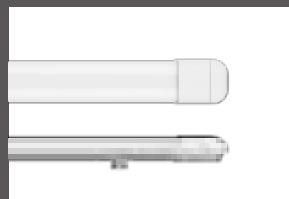
Avon II 135



Avon III 136



Tyne 138



Rio 139



Indus 140



Volta III 141



Volga 142

# Interior Batten Comparison



Lena

4ft	5ft	6ft	CCT Switching 3000K 4000K 6000K	Flicker Free	Plug & Play Emergency
3300lm 3600lm 3600lm (30W)	5280lm 5760lm 5760lm (48W)	7150lm 7800lm 7800lm (65W)			
			LED Integrated	Suspension Kit	Plug & Play Motion Sensor
				Conduit Entry	



Niva II

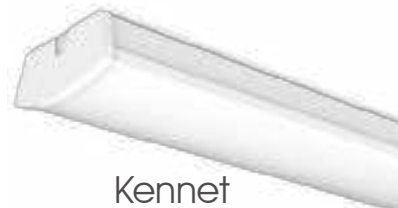
4ft Single Output	4ft Twin Output	5ft Single Output	5ft Twin Output	6ft Single Output	6ft Twin Output	CCT Switching 3000K 4000K 6000K	Conduit Entry	DALI
2400lm 2600lm 2600lm (20W)	3600lm 3900lm 3900lm (30W)	3600lm 3900lm 3900lm (30W)	5800lm 6300lm 6300lm (50W)	4800lm 5200lm 5200lm (40W)	8400lm 9100lm 9100lm (70W)			
						LED Integrated	Plug & Play Emergency	Integrated Motion Sensor
							Plug & Play Motion Sensor	

4ft		5ft		4000K	Plug & Play Emergency
2500lm (23W) (Default)	2800lm (28W) (Alternative)	3000lm (30W) (Default)	4000lm (40W) (Alternative)		
				Wattage Switching	Plug & Play Motion Sensor
				Flicker Free	



Milo

4ft	5ft	6ft	CCT Switching 3000K 4000K 6000K	Flicker Free	Plug & Play Emergency
3000lm 3300lm 3300lm (30W)	4800lm 5200lm 5200lm (48W)	6500lm 7100lm 7100lm (65W)			
			LED Integrated	IK08	Plug & Play Motion Sensor
				Conduit Entry	



Kennet

4ft Single Output	4ft Twin Output	5ft Single Output	5ft Twin Output	6ft Single Output	6ft Twin Output	4000K	Plug & Play Emergency
2400lm (20W)	3600lm (30W)	3600lm (30W)	6000lm (50W)	4800lm (40W)	7200lm (60W)		
						LED Integrated	Integrated Emergency



Mira

4ft		5ft		CCT Switching 3000K 4000K 6000K	Wattage Switching
3520lm 3840lm (32W) (Default)	1980lm 2160lm (18W) (Alternative)	5280lm 5760lm (48W) (Default)	3960lm 4320lm (36W) (Alternative)		
				LED Integrated	Plug & Play Motion Sensor



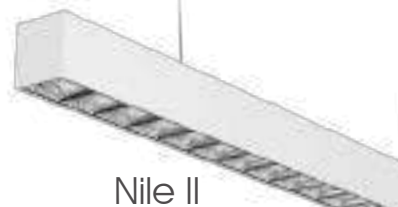
Arno-Pro

4ft	5ft	CCT Switching 3000K 4000K 6000K	Suspension Kit
3600lm 3800lm 3800lm (30W)	5400lm 5600lm 5600lm (45W)		
		LED Integrated	



Slim-line II

4ft	5ft	4000K	Back Light	DALI
5000lm (80°) 5000lm (85° x 85°) 2700lm (55° x 90°) (45W)	6500lm (80°) 6500lm (85° x 85°) 3100lm (55° x 90°) (60W)			
		LED Integrated	Suspension Kit	



Nile II

# Lena Interior LED Batten

## Modular LED Batten

with plug-in motion sensor and emergency module



### Enhanced Heat dissipation

Extruded aluminium LED tray with special structure for enhanced heat dissipation.

### Clip-on PC diffuser

Optical polycarbonate diffuser with transmittance above 90%.

### Colour temperature switching

CCT switchable  
3000K/4000K/5000K.

### Plug-in Emergency Module (Self test option)

Plug & Play Emergency Module, with self-test version available.

### Plug-in Motion Sensor

Plug & Play motion sensor with 1-10V (0-10V) dimming output achieving corridor function.

### BESA Box Clip

Clips included for installation on BESA box

### Built-in LED indicator

Use screw driver to twist and snap the covering piece to see the LED indicator

Patent

# Lena

Interior batten with integrated LED

- Switchable CCT (3000K/4000K/6000K)
  - Flicker free
- Plug & play microwave sensor module with corridor function
  - Plug & play emergency module
    - 20mm Conduit entry
    - BESA box fitting points

Plug-in emergency 

Plug-in corridor sensor 

CCT switching 

Flicker free 

Modular design 

Ultra high efficiency 



**5** **5 Years**  
Standard Warranty

**7** **7 Years**  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	82
Life Time	40,000h
Power Factor	0.95
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



Order Code	Power	Length	CCT	Lumen	Trade Price
KBTNLS30LS1	30W	4ft	Switchable*	<b>3300lm</b> (3000K) <b>3600lm</b> (4000K) <b>3600lm</b> (6000K)	<b>£172.47</b>
KBTNLS48LS1	48W	5ft	Switchable*	<b>5280lm</b> (3000K) <b>5760lm</b> (4000K) <b>5760lm</b> (6000K)	<b>£183.82</b>
KBTNLS65LS1	65W	6ft	Switchable*	<b>7150lm</b> (3000K) <b>7800lm</b> (4000K) <b>7800lm</b> (6000K)	<b>£266.97</b>

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

## Optional Gears

Type	Order code	Description	Trade Price
Emergency module	CEW05LBL/N	Emergency, with Li-ion battery	<b>£97.05</b>
Self-Test emergency module	CEW05LBL/S	Self-test emergency, with Li-ion battery	<b>£115.25</b>
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

## Accessories

Type	Order code	Description	Trade Price
Suspension Kit	KPTBTN/SUS1	Pair of 1m suspension wires	<b>£12.78</b>
BESA Box Clip	KBTNLS1-BESA	Mounting clip for installation on a BESA box	<b>£2.63</b>

## Order Code

KBTNLS30LS1/SCT  
KBTNLS48LS1/SCT  
KBTNLS65LS1/SCT

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI 80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



**Order Code**

KBTN2OLS4/SCT  
KBTN2OLS4/SCT/S

KBTN3OLS4/SCT  
KBTN3OLS4/SCT/S

KBTN4OLS4/SCT  
KBTN4OLS4/SCT/S

KBTN3OLS3/SCT  
KBTN3OLS3/SCT/S  
KBTN3OLS3/SCT/D

KBTN5OLS3/SCT  
KBTN5OLS3/SCT/S  
KBTN5OLS3/SCT/D

KBTN7OLS3/SCT  
KBTN7OLS3/SCT/S  
KBTN7OLS3/SCT/D

**Dimensions**



# Niva II

Interior batten with integrated LED

- Switchable CCT (3000K/4000K/6000K)
- High efficiency up to 130lm/W
- Optional plug-in emergency module available
- For single and twin tube batten replacement
- 20mm Conduit entry
- BESA box fitting points

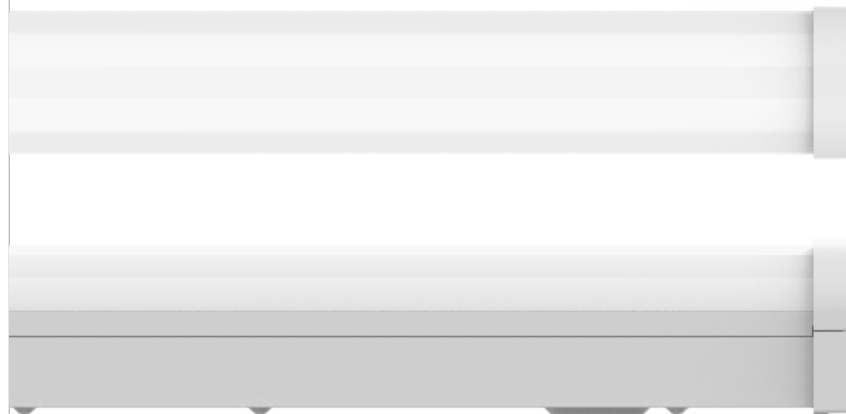
Plug-in emergency

Built-in motion sensor

CCT switching

Modular design

Ultra high efficiency



**Single Output (with light output of single T8 batten)**

Order Code	Type	Power	Length	CCT	Lumen	Trade Price
KBTN2OLS4/SCT	Standard	20W	4ft	Switchable*	2400lm(3000K)	<b>£78.61</b>
					2600lm(4000K)	
					2600lm(6000K)	
KBTN3OLS4/SCT	Standard	30W	5ft	Switchable*	3600lm(3000K)	<b>£94.93</b>
					3900lm(4000K)	
					3900lm(6000K)	
KBTN4OLS4/SCT	Standard	40W	6ft	Switchable*	4800lm(3000K)	<b>£115.11</b>
					5200lm(4000K)	
					5200lm(6000K)	

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

**Twin Output(with light output of twin T8 batten)**

Order Code	Type	Power	Length	CCT	Lumen	Trade Price
KBTN30LS3/SCT	Standard	30W	4ft	Switchable*	3600lm(3000K) 3900lm(4000K) 3900lm(6000K)	£80.84
KBTN30LS3/SCT/D	DALI	30W	4ft	Switchable*	3600lm(3000K) 3900lm(4000K) 3900lm(6000K)	£151.65
KBTN50LS3/SCT	Standard	50W	5ft	Switchable*	5800lm(3000K) 6300lm(4000K) 6300lm(6000K)	£110.12
KBTN50LS3/SCT/D	DALI	50W	5ft	Switchable*	5800lm(3000K) 6300lm(4000K) 6300lm(6000K)	£191.50
KBTN70LS3/SCT	Standard	70W	6ft	Switchable*	8400lm(3000K) 9100lm(4000K) 9100lm(6000K)	£136.32
KBTN70LS3/SCT/D	DALI	70W	6ft	Switchable*	8400lm(3000K) 9100lm(4000K) 9100lm(6000K)	£226.65

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

**Sensor Option**

Suffix	Description	Trade Price
/S	Microwave sensor (not compatible with DALI version)	+£40.00

**Optional Gears**

Type	Order code	Description	Trade Price
Emergency module	CEW05LBL/N	Emergency, with Li-ion battery	£97.05
Self-Test emergency module	CEW05LBL/S	Self-test emergency, with Li-ion battery	£115.25

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



# Mira

Interior batten with integrated LED

- Retrofit replacement of traditional T8 single and twin battens
- Option of integrated emergency version
- Option of reflectors
- BESA box fitting points

Built-in emergency

Ultra high efficiency



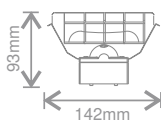
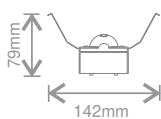
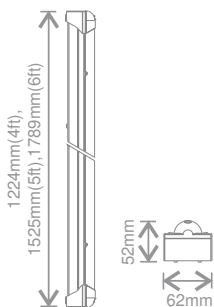
▲ With Reflector & Guard Cage

**Order Code**

KBTN2OLS7-W40  
KBTN2OLS7/E-W40  
KBTN3OLS7-W40  
KBTN3OLS7/E-W40  
KBTN4OLS7-W40  
KBTN4OLS7/E-W40

KBTN3OLS8-W40  
KBTN3OLS8/E-W40  
KBTN5OLS8-W40  
KBTN5OLS8/E-W40  
KBTN6OLS8-W40  
KBTN6OLS8/E-W40

**Dimensions**



**Single Output (with light output of single T8 batten)**

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN2OLS7	20W	4ft	4000K	2400lm	£58.49
KBTN3OLS7	30W	5ft	4000K	3600lm	£70.92
KBTN4OLS7	40W	6ft	4000K	4800lm	£76.30

**Twin Output (with light output of twin T8 batten)**

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN3OLS8	30W	4ft	4000K	3600lm	£63.72
KBTN5OLS8	50W	5ft	4000K	6000lm	£74.89
KBTN6OLS8	60W	6ft	4000K	7200lm	£81.80

**Emergency Option**

Suffix	Description	Trade Price
/E	Emergency with Li-ion battery	+£43.00

**Battery**

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2200LI3	Li-ion	2200mAh	7.4V	£27.70

**Accessories**

Type	Order Code	Description	Trade Price
Reflector	KPT-R4F-WHT	Reflector for 20W/30W 4ft batten	£13.08
Reflector	KPT-R5F-WHT	Reflector for 30W/50W 5ft batten	£15.81
Reflector	KPT-R6F-WHT	Reflector for 40W/60W 6ft batten	£18.18
Guard Cage	KPT-GC4F	Guard cage for 4ft batten	£11.28
Guard Cage	KPT-GC5F	Guard cage for 5ft batten	£13.58
Guard Cage	KPT-GC6F	Guard cage for 6ft batten	£15.72



# Kasai

Prewired batten for LED T8 lamps

- Optional reflector and guard cage
- BESA box fitting points

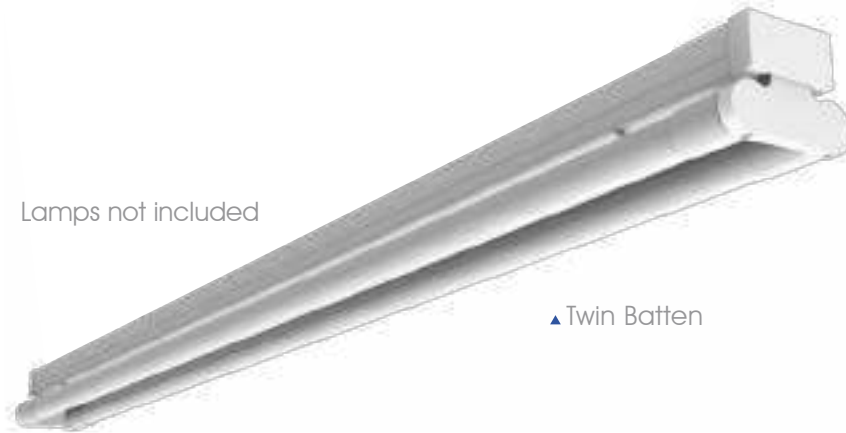
**5** 5 Years Standard Warranty

Recommended lamp



Dura LED T8 P258

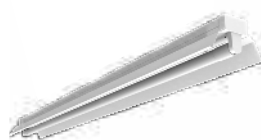
Lamps not included



▲ Twin Batten



▲ Single Batten



▲ Single Batten with Reflector



▲ Twin Batten with Reflector & Guard Cage

## General Specification

Voltage 220-240Vac  
50-60Hz

Housing Steel



## Order Code

KEBNT8LS204F1  
KEBNT8LS204F2

KEBNT8LS205F1  
KEBNT8LS205F2

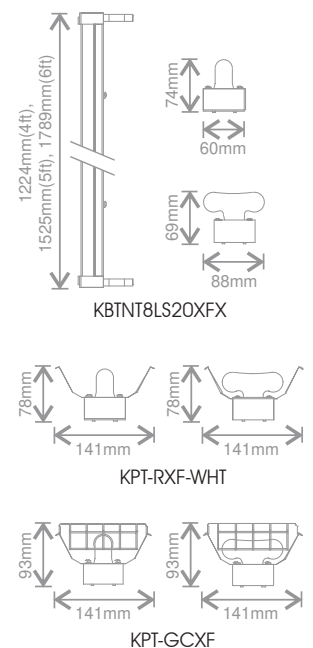
KEBNT8LS206F1  
KEBNT8LS206F2

Order Code	Model	Lamp (not included)	Trade Price
KEBNT8LS204F1	4ft single	1 x 4ft LED T8	£35.35
KEBNT8LS204F2	4ft twin	2 x 4ft LED T8	£36.17
KEBNT8LS205F1	5ft single	1 x 5ft LED T8	£40.98
KEBNT8LS205F2	5ft twin	2 x 5ft LED T8	£41.80
KEBNT8LS206F1	6ft single	1 x 6ft LED T8	£46.18
KEBNT8LS206F2	6ft twin	2 x 6ft LED T8	£47.00

## Accessories

Type	Order Code	Description	Models	Trade Price
Reflector	KPT-R4F-WHT	White powder coated sheet steel reflector	KEBNT8LS204F1 KEBNT8LS204F2	£13.08
Reflector	KPT-R5F-WHT	White powder coated sheet steel reflector	KEBNT8LS205F1 KEBNT8LS205F2	£15.81
Reflector	KPT-R6F-WHT	White powder coated sheet steel reflector	KEBNT8LS206F1 KEBNT8LS206F2	£18.18
Guard Cage	KPT-GC4F	Guard cage for single or twin 4ft LED T8 batten	KEBNT8LS204F1 KEBNT8LS204F2	£11.28
Guard Cage	KPT-GC5F	Guard cage for single or twin 5ft LED T8 batten	KEBNT8LS205F1 KEBNT8LS205F2	£13.58
Guard Cage	KPT-GC6F	Guard cage for single or twin 6ft LED T8 batten	KEBNT8LS206F1 KEBNT8LS206F2	£15.72

## Dimensions



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**1000V**  
Surge Protection

# Arno

Thin profile interior batten with integrated LED

- High efficiency of 110lm/W
- 2 ranges for replacement of single and twin T8 battens
- Supplied with long lead of 2/3 length of the luminaire

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.53  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Order Code

KBTN12LS5-W40  
KBTN18LS5-W40  
KBTN36LS5-W40  
KBTN45LS5-W40

KBTN18LS6-W40  
KBTN30LS6-W40  
KBTN48LS6-W40  
KBTN60LS6-W40

KBTN12LS5-W65  
KBTN18LS5-W65  
KBTN36LS5-W65  
KBTN45LS5-W65

KBTN18LS6-W65  
KBTN30LS6-W65  
KBTN48LS6-W65  
KBTN60LS6-W65

## Dimensions



## Single Output (with light output of single T8 batten)

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN12LS5	12W	2ft	4000K 6500K	<b>1320lm</b>	<b>£23.44</b>
KBTN18LS5	18W	4ft	4000K 6500K	<b>1980lm</b>	<b>£36.02</b>
KBTN36LS5	36W	5ft	4000K 6500K	<b>3960lm</b>	<b>£52.67</b>
KBTN45LS5	45W	6ft	4000K 6500K	<b>4950lm</b>	<b>£65.15</b>

## Twin Output (with light output of twin T8 batten)

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN18LS6	18W	2ft	4000K 6500K	<b>1980lm</b>	<b>£26.22</b>
KBTN30LS6	30W	4ft	4000K 6500K	<b>3520lm</b>	<b>£38.80</b>
KBTN48LS6	48W	5ft	4000K 6500K	<b>5280lm</b>	<b>£58.23</b>
KBTN60LS6	60W	6ft	4000K 6500K	<b>6600lm</b>	<b>£70.70</b>

**NEW** Available Aug 2021

# Arno-Pro

Wattage and CCT switchable interior LED batten

Plug-in corridor sensor 

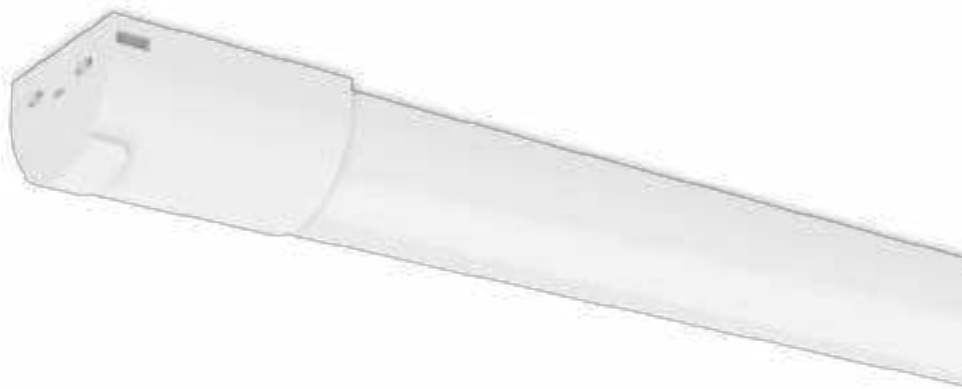
CCT switching 

Wattage switching 

Modular design 

Ultra high efficiency 

- High efficiency of 120lm/W
- Switchable CCT (3000K/4000K/6000K)
  - 2 switchable wattage
- Easy installation with surface mounting clips
  - Plug-in motion sensor
  - BESA box fitting points



**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

**2000V** Surge Protection



Sensor



Microwave Sensor (Mounting height ≤8.5m)  
KBTNLS1-MWS2

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Order Code

KBTN1832LS15/SCT  
KBTN3648LS15/SCT

## Dimensions



Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KBTN1832LS15	-	18W	4ft	Switchable*	1980lm(3000K) 2160lm(4000K) 2160lm(6000K)	£67.87
	32W	-	4ft	Switchable*	3520lm(3000K) 3840lm(4000K) 3840lm(6000K)	
	-	36W	5ft	Switchable*	3960lm(3000K) 4320lm(4000K) 4320lm(6000K)	
KBTN3648LS15	-	36W	5ft	Switchable*	5280lm(3000K) 5760lm(4000K) 5760lm(6000K)	£85.06
	48W	-	5ft	Switchable*		

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

## Options Gear

Type	Order code	Description	Trade Price
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	£25.06

**NEW** Available Aug 2021

# Arno-Retro

Wattage and CCT switchable retro-fit interior LED batten

- Sheet metal base box that retrofits the traditional T8 battens
- 20mm conduit entry and BESA box fitting points
- Option of base with emergency module
- High efficiency of 120lm/W
- Switchable CCT (3000K/4000K/6000K)
- 2 switchable wattage
- Easy installation with surface mounting clips.
- Plug-in motion sensor

- Plug-in corridor sensor
- Built-in emergency
- CCT switching
- Wattage switching
- Flicker free
- Modular design
- Ultra high efficiency

**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

**1000V** Surge Protection



Sensor



Microwave Sensor (Mounting height ≤8.5m)  
KBTNLS1-MWS2

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate

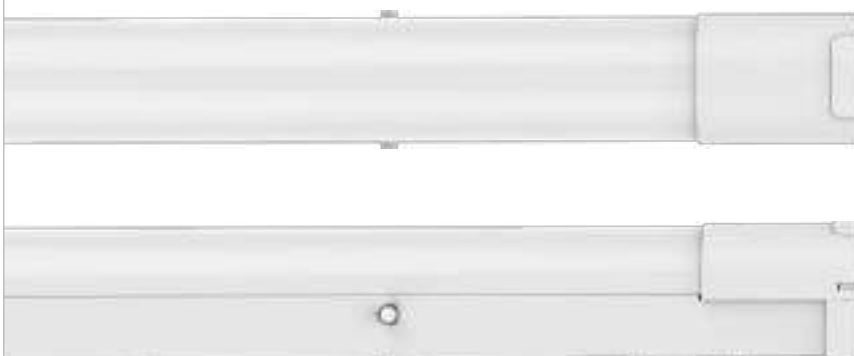
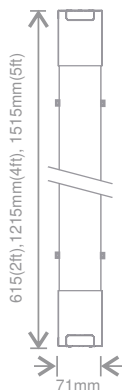


## Order Code

KBTN1832LS16/SCT  
KBTN3648LS16/SCT

KBTN1832LS16/E/SCT  
KBTN3648LS16/E/SCT

## Dimensions



Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KBTN1832LS16	-	18W	4ft	Switchable*	1980lm(3000K) 2160lm(4000K) 2160lm(6000K)	£90.89
	32W	-	4ft	Switchable*	3520lm(3000K) 3840lm(4000K) 3840lm(6000K)	
KBTN3648LS16	-	36W	5ft	Switchable*	3960lm(3000K) 4320lm(4000K) 4320lm(6000K)	£109.05
	48W	-	5ft	Switchable*	5280lm(3000K) 5760lm(4000K) 5760lm(6000K)	

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

## Emergency Option

Suffix	Description	Trade Price
/E	Emergency with LiFePO4 battery	+£45.00

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
LFP7302-S20	LiFePO4	2000mAh	6.4V	£21.76

## Options Gear

Type	Order code	Description	Trade Price
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	£25.06

# Slim-Line

Slim profile integrated LED batten

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**2000V** Surge Protection (L to GND)

CCT switching 

Flicker free 

Ultra high efficiency 

- Switchable CCT (3000K/4000K/6000K) for Slim-Line II
  - High efficiency of 120 lm/W
  - Slim profile
- Simple external bracket mounting
- Long operational life of 40,000 h



▲ Slim-Line II



▲ Slim-Line I

## Suspension mount



## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Slim-Line II

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN30LS2/SCT	30W	4ft	Switchable*	<b>3600lm</b> (3000K) <b>3800lm</b> (4000K) <b>3800lm</b> (6000K)	<b>£127.63</b>
KBTN45LS2/SCT	45W	5ft	Switchable*	<b>5400lm</b> (3000K) <b>5600lm</b> (4000K) <b>5600lm</b> (6000K)	<b>£144.92</b>

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

## Slim-Line I

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTNHS30LS2	30W	4ft	4000K	<b>3800lm</b>	<b>£132.72</b>
KBTNHS45LS2	45W	5ft	4000K	<b>5500lm</b>	<b>£155.21</b>

## Accessory

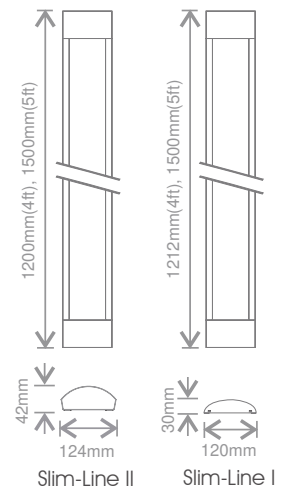
Type	Order Code	Description	Trade Price
Suspension Kit	KPTBTN/SUS2	Maximum 1.3m drop	<b>£7.15</b>

## Order Code

KBTN30LS2/SCT  
KBTN45LS2/SCT

KBTNHS30LS2-W40  
KBTNHS45LS2-W40

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

### General Specification

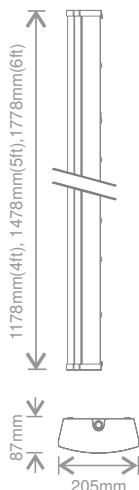
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



### Order Code

KBTN30LS12/SCT  
KBTN30LS12/SCT/D  
KBTN48LS12/SCT  
KBTN48LS12/SCT/D  
KBTN65LS12/SCT  
KBTN65LS12/SCT/D

### Dimensions



# Kennet

## Interior surface mount slim profile batten

- Ideal replacement for twin T8 surface mount battens
- 20mm conduit entries
- Switchable CCT (3000K/4000K/6000K)
- Flicker free
- Plug & play microwave sensor module with corridor function, for standard version only
- Plug & play emergency module
- BESA box fitting points

- Plug-in emergency
- Plug-in corridor sensor
- CCT switching
- Flicker free
- Modular design



Order Code	Type	Power	Length	CCT	Lumen	Trade Price
KBTN30LS12/SCT	Standard	30W	4ft	Switchable*	<b>3000lm</b> (3000K) <b>3300lm</b> (4000K) <b>3300lm</b> (6000K)	<b>£186.58</b>
KBTN30LS12/SCT/D	DALI	30W	4ft	Switchable*	<b>3000lm</b> (3000K) <b>3300lm</b> (4000K) <b>3300lm</b> (6000K)	<b>£185.93</b>
KBTN48LS12/SCT	Standard	48W	5ft	Switchable*	<b>4800lm</b> (3000K) <b>5200lm</b> (4000K) <b>5200lm</b> (6000K)	<b>£221.69</b>
KBTN48LS12/SCT/D	DALI	48W	5ft	Switchable*	<b>4800lm</b> (3000K) <b>5200lm</b> (4000K) <b>5200lm</b> (6000K)	<b>£225.46</b>
KBTN65LS12/SCT	Standard	65W	6ft	Switchable*	<b>6500lm</b> (3000K) <b>7100lm</b> (4000K) <b>7100lm</b> (6000K)	<b>£262.50</b>
KBTN65LS12/SCT/D	DALI	65W	6ft	Switchable*	<b>6500lm</b> (3000K) <b>7100lm</b> (4000K) <b>7100lm</b> (6000K)	<b>£250.18</b>

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

### Optional Gears

Type	Order code	Description	Trade Price
Emergency module	CEW05LBL/N	Emergency, with Li-ion battery	<b>£97.05</b>
Self-Test emergency module	CEW05LBL/S	Self-test emergency, with Li-ion battery	<b>£115.25</b>
Microwave Sensor*	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

\* Microwave sensor does not work with DALI version

# Milo

Interior batten with edge-lit LED panel

- Designed to replace the popular twin T8 surface modular
  - Switchable wattage
  - Flicker-free driver as standard
- Daylight harvesting alternative driver available
  - Plug & play microwave sensor module
  - Plug & play emergency module
  - BESA box fitting points

Plug-in emergency 

Plug-in on/off sensor 

Wattage switching 

Flicker free 

Modular design 



Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KBTN2328LS9	23W	-	4ft	4000K	<b>2500lm</b>	<b>£189.85</b>
	-	28W	4ft	4000K	<b>2800lm</b>	
KBTN3040LS9	30W	-	5ft	4000K	<b>3000lm</b>	<b>£253.65</b>
	-	40W	5ft	4000K	<b>4000lm</b>	

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KBTN2328LS9	<b>£68.46</b>
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KBTN3040LS9	<b>£82.92</b>
Daylight harvesting	CYS50DLH-PNL	Daylight Harvesting Driver	<b>£95.84</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>
Presence sensor	CYS-PRS-PNL	On/off presence sensor dedicated to LED panel	<b>£51.30</b>

### Accessory

Type	Order Code	Description	Trade Price
Suspension Kit	KPTBTN/SUS3	Maximum 1.0m drop	<b>£12.02</b>

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**DALI & 1-10V (0-10V)** Dimmable Options

**1000V** Surge Protection

### New Optional Gear



Dimmable LED driver with integrated sensor  
Driver with Sensor [P19](#)

#### Surface-mount



#### Suspension mount



### General Specification

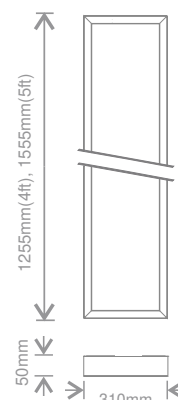
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.90
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate

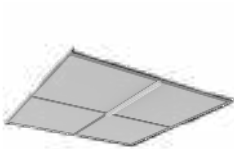
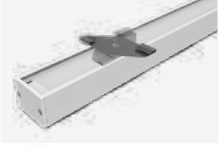


### Order Code

KBTN2328LS9-W40  
KBTN3040LS9-W40

### Dimensions



**5** 5 Years  
Standard Warranty**7** 7 Years  
Extended Warranty

### General Specification

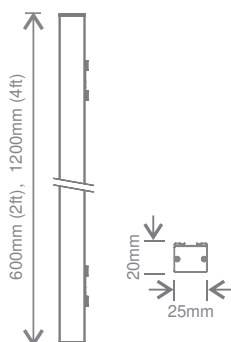
Voltage	48Vdc
CRI	> 80
Life Time	40,000h
Power Factor	1.00
Ambient Temp	-20°C to 40°C
Housing	Aluminium
Diffuser	Polycarbonate



### Order Code

KTGL13LS-W40-WHT  
KTGL26LS-W40-WHT

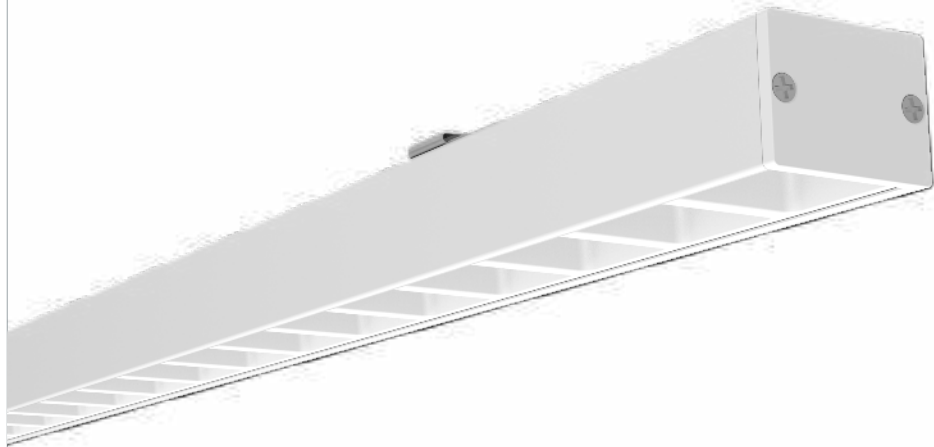
### Dimensions



# Isar

## T-bar linkable linear luminaire

- Easy clip-on installation on T-bar
- Length of 600mm and 1200mm to fit standard suspended ceiling
- Linkable to create desired arrangement
- Choices of constant voltage drivers upto 120W



### Must be ordered with a power supply

Order Code	Power	Length	Beam Angle	CCT	Lumen	Trade Price
KTGL13LS	13W	600mm(2ft)	80°	4000K	<b>1560lm</b>	<b>£65.88</b>
KTGL26LS	26W	1200mm(4ft)	80°	4000K	<b>3120lm</b>	<b>£125.54</b>

### Power Supply

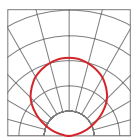
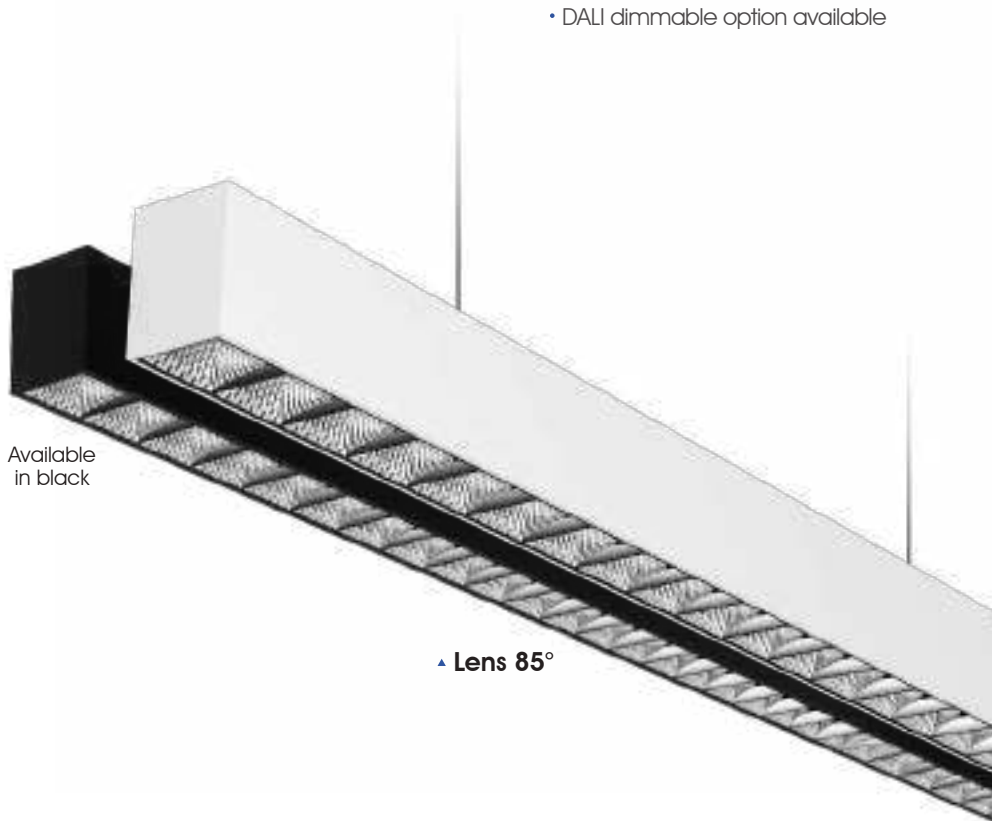
Order Code	Type	Max Power	Output Voltage	Input Voltage	Trade Price
DR-CV-30-48	Standard	30W	48Vdc	180-240Vac 50-60Hz	<b>£61.62</b>
DR-CV-60-48	Standard	60W	48Vdc	180-240Vac 50-60Hz	<b>£83.93</b>
DR-CV-90-48	Standard	90W	48Vdc	180-240Vac 50-60Hz	<b>£168.02</b>
DR-CV-120-48	Standard	120W	48Vdc	180-240Vac 50-60Hz	<b>£204.43</b>
HLG-40H-48AB	1-10V	40W	48Vdc	180-240Vac 50-60Hz	<b>£182.51</b>
HLG-60H-48AB	1-10V	60W	48Vdc	180-240Vac 50-60Hz	<b>£190.10</b>
HLG-80H-48AB	1-10V	80W	48Vdc	180-240Vac 50-60Hz	<b>£223.32</b>
HLG-100H-48AB	1-10V	100W	48Vdc	180-240Vac 50-60Hz	<b>£268.14</b>
HLG-120H-48AB	1-10V	120W	48Vdc	180-240Vac 50-60Hz	<b>£278.55</b>



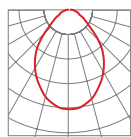
**SPEC LINE** Nile II

Interior LED batten with multiple mounting options

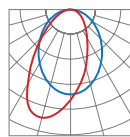
- Slick and stylish design, ideal for modern offices
- Surface, suspension, Global / Unipro 3-circuit or interlock mounting options
  - Variety of diffuser and beam options
- Built-In backlight option available (30% up and 70% down)
  - Low glare, UGR<19 for microprism PS diffuser
  - DALI dimmable option available



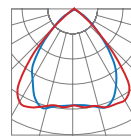
Up Light 110°



Down Light 80°



Down Light 55° x 90°



Down Light 85° x 85°

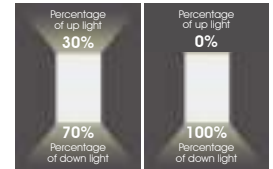
Order Code	Type	Power	Length	Beam Angle	Finish	CCT	Lumen	Trade Price
KBTN45LH	Standard	45W	4ft	80° *	White Black	4000K	5000lm	£250.03
				85° x 85°			5000lm	£285.87
				55° x 90°			2700lm	£285.87
KBTN45LH/D	DALI	45W	4ft	80° *	White Black	4000K	5000lm	£343.24
				85° x 85°			5000lm	£383.39
				55° x 90°			2700lm	£383.39
KBTN60LH	Standard	60W	5ft	80° *	White Black	4000K	6500lm	£293.03
				85° x 85°			6500lm	£348.24
				55° x 90°			3100lm	£348.24
KBTN60LH/D	DALI	60W	5ft	80° *	White Black	4000K	6500lm	£391.54
				85° x 85°			6500lm	£453.54
				55° x 90°			3100lm	£453.54

\* Low glare, UGR<19 with room size of 4h x 2h, where h is the height of the room

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**2000V** Surge Protection (L to GND)



**SPEC LINE**



**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.98  
Ambient Temp -20°C to 40°C  
Housing Extrusion Aluminum  
Diffuser Polycarbonate



**Dimensions**



**Surface mount**



Included in package

**Suspension mount**



Included in package

**3-circuit  
Global/Unipro Track**

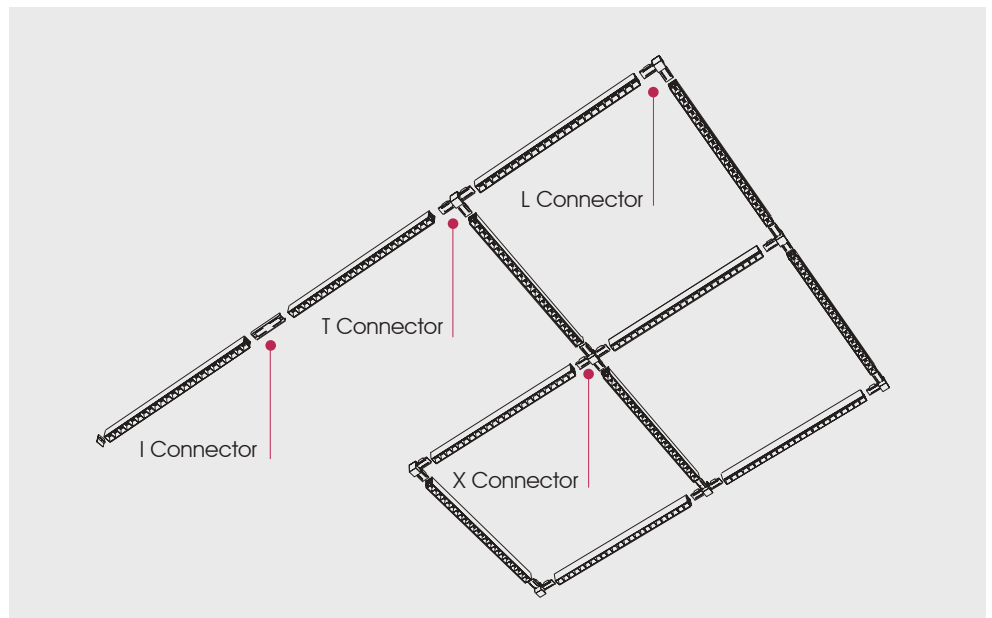


Optional,  
order separately

**Accessories**

Type	Order Code	Description	Trade Price
Track Adaptor	KPT-KBTN-TADA1-WHT	Global/Unipro 3-circuit track, 3-core flex not suitable for dimming	£78.11
Track Adaptor	KPT-KBTN-TADA1-BLK	Global/Unipro 3-circuit track, 3-core flex not suitable for dimming	£78.11
Track Adaptor	KPT-KBTN-TADA2-WHT	Global/Unipro 3-circuit track, 5-core flex suitable for dimming	£93.09
Track Adaptor	KPT-KBTN-TADA2-BLK	Global/Unipro 3-circuit track 5-core flex suitable for dimming	£93.09
Interlock L Connector	KPT-KBTN-CL-WHT	90° Interlock connector in white	£16.68
Interlock L Connector	KPT-KBTN-CL-BLK	90° Interlock connector in black	£16.68
Interlock T Connector	KPT-KBTN-CT-WHT	3-way "T" Interlock connector in white	£20.95
Interlock T Connector	KPT-KBTN-CT-BLK	3-way "T" Interlock connector in black	£20.95
Interlock X Connector	KPT-KBTN-CX-WHT	4-way Interlock connector in white	£27.85
Interlock X Connector	KPT-KBTN-CX-BLK	4-way Interlock connector in black	£27.85
Interlock I Connector	KPT-KBTN-CI	Inline Interlock connector	£15.34
Wiring Connector	KPT-KBTN4F-W1	On/Off 1.2m	£26.60
Wiring Connector	KPT-KBTN5F-W1	On/Off 1.5m	£26.60
Wiring Connector	KPT-KBTN4F-W2	DALI 1.2m	£31.70
Wiring Connector	KPT-KBTN5F-W2	DALI 1.5m	£31.70

**Interlock**



**Order Code**

KBTN45LH-W140-WHT  
KBTN45LH-W240-WHT  
KBTN45LH-A40-WHT

KBTN45LH/D-W140-WHT  
KBTN45LH/D-W240-WHT  
KBTN45LH/D-A40-WHT

KBTN60LH-W140-WHT  
KBTN60LH-W240-WHT  
KBTN60LH-A40-WHT

KBTN60LH/D-W140-WHT  
KBTN60LH/D-W240-WHT  
KBTN60LH/D-A40-WHT

KBTN45LH-W140-BLK  
KBTN45LH-W240-BLK  
KBTN45LH-A40-BLK

KBTN45LH/D-W140-BLK  
KBTN45LH/D-W240-BLK  
KBTN45LH/D-A40-BLK

KBTN60LH-W140-BLK  
KBTN60LH-W240-BLK  
KBTN60LH-A40-BLK

KBTN60LH/D-W140-BLK  
KBTN60LH/D-W240-BLK  
KBTN60LH/D-A40-BLK

# Exterior Batten Comparison



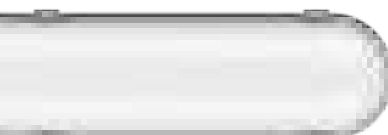
Trent

4ft				5ft				6ft			
4200lm	2400lm	3000lm	3600lm	5760lm	3240lm	4080lm	4920lm	7440lm	4200lm	5280lm	6360lm
4550lm	2600lm	3250lm	3900lm	6240lm	3510lm	4420lm	5330lm	8060lm	4550lm	5720lm	6890lm
4550lm (35W) (Default)	2600lm (20W) (Alternative)	3250lm (25W) (Alternative)	3900lm (30W) (Alternative)	6240lm (48W) (Default)	3510lm (27W) (Alternative)	4420lm (34W) (Alternative)	5330lm (41W) (Alternative)	8060lm (62W) (Default)	4550lm (35W) (Alternative)	5720lm (44W) (Alternative)	6890lm (53W) (Alternative)
<b>Wattage Switching</b>	<b>CCT Switching</b> 3000K 4000K 6000K			<b>LED Integrated</b>	<b>IP65</b>	<b>IK10</b>	<b>Integrated Emergency</b>	<b>Integrated Motion Sensor</b>			



Avon III

4ft Single				4ft Twin				5ft Single			
2340lm (18W) (Default)	1350lm (10W) (Alternative)	1700lm (13W) (Alternative)	2100lm (16W) (Alternative)	4800lm (36W) (Default)	2850lm (20W) (Alternative)	3500lm (26W) (Alternative)	4100lm (32W) (Alternative)	3500lm (26W) (Default)	2450lm (18W) (Alternative)	3000lm (23W) (Alternative)	4050lm (30W) (Alternative)
<b>5ft Twin</b>				<b>6ft Single</b>	<b>6ft Twin</b>	<b>Wattage Switching</b>	<b>4000K</b>	<b>Integrated Emergency</b>			
6800lm (52W) (Default)	4700lm (34W) (Alternative)	5800lm (44W) (Alternative)	7750lm (60W) (Alternative)	5000lm (40W)	8125lm (65W)	<b>LED Integrated</b>	<b>IP65</b>	<b>IK08</b>	<b>Integrated Motion Sensor</b>		



Congo

4ft Single	4ft Twin	5ft Single	5ft Twin	<b>CCT Switching</b> 3000K 4000K 6000K	<b>IP65</b>	<b>Plug &amp; Play Emergency</b>
2650lm (24W)	3950lm (36W)	3950lm (36W)	6850lm (62W)			



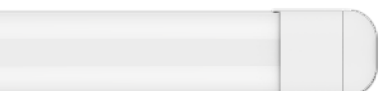
Indus

4ft Single	4ft Twin	5ft Single	5ft Twin	6ft Single	6ft Twin	<b>LED T8 tube</b>	<b>IP65</b>	<b>IK08</b>	<b>Integrated Emergency</b>
LED T8 (1x 4ft)	LED T8 (2x 4ft)	LED T8 (1x 5ft)	LED T8 (2x 5ft)	LED T8 (1x 6ft)	LED T8 (2x 6ft)				



Tyne II

4ft Single	4ft Twin	5ft Single	5ft Twin	<b>4000K</b>	<b>IP65</b>	<b>Integrated Emergency</b>
2070lm (18W)	4730lm (38W)	3450lm (30W)	6440lm (56W)	<b>LED Integrated</b>		



Rio

4ft	5ft	<b>4000K</b>	<b>IP65</b>
3700lm (28W)	5000lm (38W)	<b>LED Integrated</b>	



Trent Onsite

2ft	4ft	5ft	5ft	<b>4000K</b>	<b>IP65</b>	<b>Integrated Emergency</b>
1800lm (20W)	1800lm (20W)	2250lm (25W)	4500lm (50W)	<b>LED Integrated</b>		



Volta III

4ft	5ft	<b>CCT Switching</b> 3000K 4000K 6000K	<b>LED Integrated</b>
4200lm (36W)	6000lm (48W)		<b>IP65</b>
			<b>IK08</b>

# Congo LED Non-corrosive batten

## Multi-CCT Modular LED Non-corrosive Batten

*with plug-in motion sensor and emergency module*

### Clip-in Dimmable Sensor

Built-in housing for the microwave sensor which dims the driver to achieve corridor function.

### Push Wire Connector

Built-in dedicated holder for clipping in the microwave sensor.

### Stainless Steel Clips

Uses 304 high grade stainless steel.

### Gear Tray Prefixed to Cover

The gear tray and the cover are prefixed together, for easy installation and LED protection.

### Push-up Indicator

Built-in emergency indicator

### Plug-in Emergency Module (Self-test option)

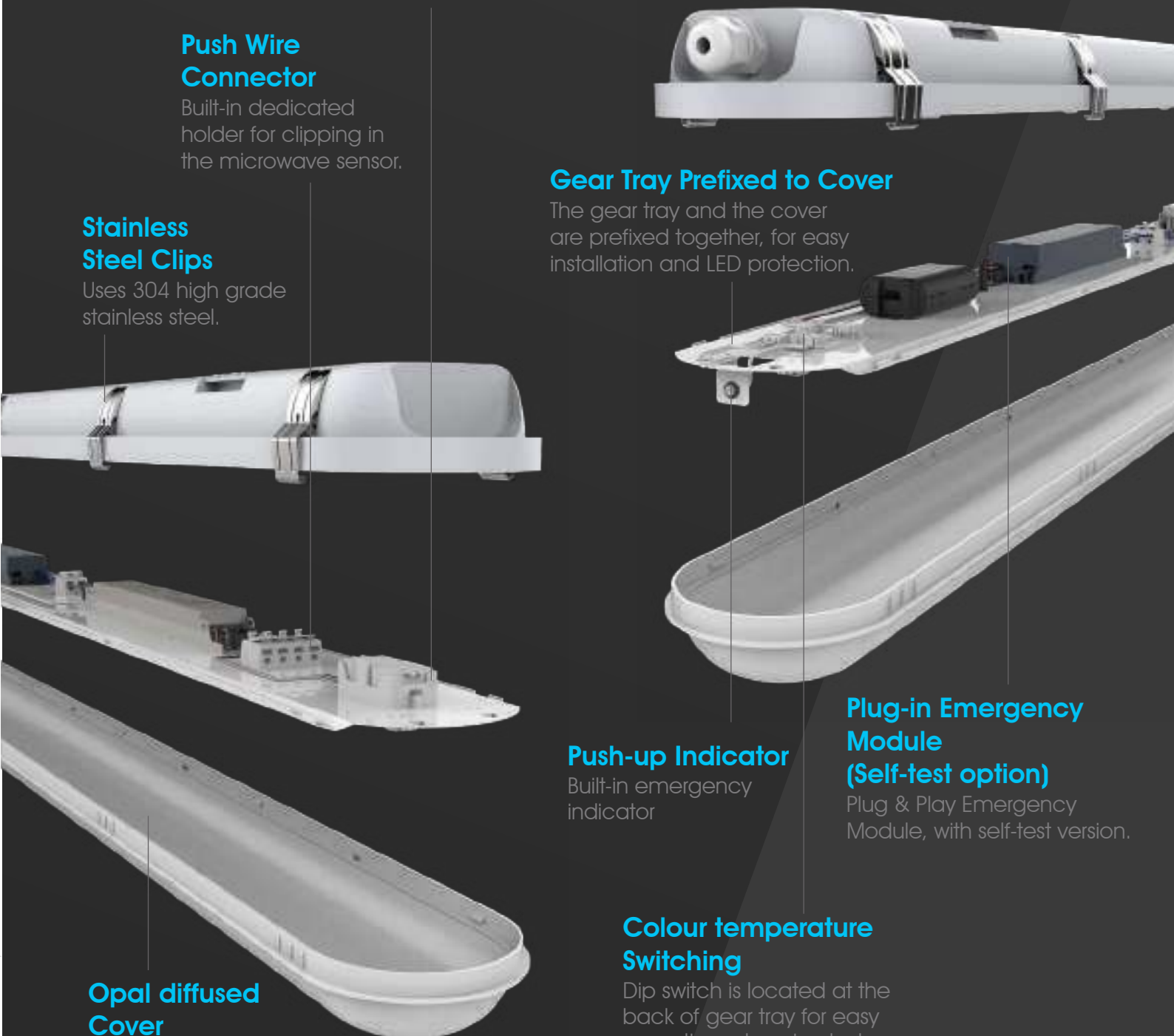
Plug & Play Emergency Module, with self-test version.

### Colour temperature Switching

Dip switch is located at the back of gear tray for easy operation, choosing between 4000K/5000K/6000K

### Opal diffused Cover

Gives even softer light output with lower glare



# Congo

Non-Corrosive linear luminaire with integrated LED

Plug-in emergency 

Plug-in corridor sensor 

CCT switching 

Modular design 

Ultra high efficiency 

- T8 non-corrosive LED replacement
- Switchable CCT (3000/4000/6000K)
  - Optional emergency module
- Optional microwave motion and daylight sensor with corridor dimming
- Durable and rugged IK10 polycarbonate construction
  - IP65
- Suitable for through-wiring
  - Opal diffuser



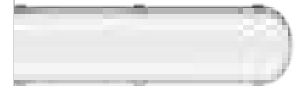
**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**2000V** Surge Protection (L to GND)



Single, 4ft / 5ft



Twin, 4ft / 5ft



Microwave Sensor (Mounting height  $\leq$  8.5m)  
KBTNLS1-MWS2

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.95
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



Order Code	Power	Length	CCT	Lumen	Trade Price
KNCF24S4F/SCT	24W	4ft single	Switchable*	<b>2650lm</b> (3000K) <b>2900lm</b> (4000K) <b>2900lm</b> (6000K)	<b>£123.81</b>
KNCF36T4F/SCT	36W	4ft twin	Switchable*	<b>3950lm</b> (3000K) <b>4350lm</b> (4000K) <b>4350lm</b> (6000K)	<b>£137.04</b>
KNCF36S5F/SCT	36W	5ft single	Switchable*	<b>3950lm</b> (3000K) <b>4350lm</b> (4000K) <b>4350lm</b> (6000K)	<b>£144.05</b>
KNCF62T5F/SCT	62W	5ft twin	Switchable*	<b>6850lm</b> (3000K) <b>7400lm</b> (4000K) <b>7400lm</b> (6000K)	<b>£162.38</b>

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

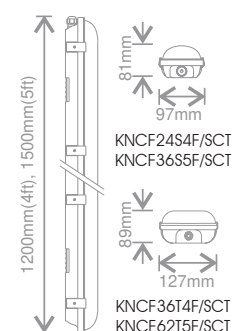
## Optional Gears

Type	Order code	Description	Trade Price
Emergency module	CEW05LBL/N	Emergency, with Li-ion battery	<b>£97.05</b>
Self-Test emergency module	CEW05LBL/S	Self-test emergency, with Li-ion battery	<b>£115.25</b>
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

## Order Code

KNCF24S4F/SCT  
KNCF36S5F/SCT  
KNCF36T4F/SCT  
KNCF62T5F/SCT

## Dimensions








- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 2000V** Surge Protection (L to GND)

# Trent

Watt and CCT switchable non-corrosive linear luminaire

- Switchable CCT (3000/4000/6000K)
- 4 Switchable wattages for each model
- High efficiency of 130lm/W
- Emergency and sensor models
- Durable and rugged IK10 polycarbonate construction
- IP65
- Suitable for through-wiring
- Opal diffuser

-  **Wattage switching**
-  **CCT switching**
-  **Built-in motion sensor**
-  **Built-in emergency**
-  **Ultra high efficiency**

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Order Code

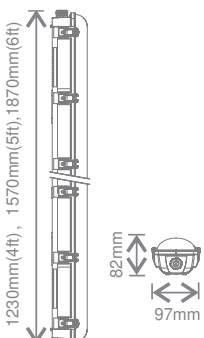
KBTN20-35LS1 4/SCT  
KBTN27-48LS1 4/SCT  
KBTN35-62LS1 4/SCT

KBTN20-35LS1 4/SCT/E  
KBTN27-48LS1 4/SCT/E  
KBTN35-62LS1 4/SCT/E

KBTN20-35LS1 4/SCT/S  
KBTN27-48LS1 4/SCT/S  
KBTN35-62LS1 4/SCT/S

KBTN20-35LS1 4/SCT/ES  
KBTN27-48LS1 4/SCT/ES  
KBTN35-62LS1 4/SCT/ES

## Dimensions



Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KBTN20-35LS14	-	20W	4ft	Switchable*	2400lm(3000K) 2600lm(4000K) 2600lm(6000K)	£123.12
	-	25W	4ft	Switchable*	3000lm(3000K) 3250lm(4000K) 3250lm(6000K)	
	-	30W	4ft	Switchable*	3600lm(3000K) 3900lm(4000K) 3900lm(6000K)	
	35W	-	4ft	Switchable*	4200lm(3000K) 4550lm(4000K) 4550lm(6000K)	
KBTN27-48LS14	-	27W	5ft	Switchable*	3240lm(3000K) 3510lm(4000K) 3510lm(6000K)	£150.95
	-	34W	5ft	Switchable*	4080lm(3000K) 4420lm(4000K) 4420lm(6000K)	
	-	41W	5ft	Switchable*	4920lm(3000K) 5330lm(4000K) 5330lm(6000K)	
	48W	-	5ft	Switchable*	5760lm(3000K) 6240lm(4000K) 6240lm(6000K)	

Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KBTN35-62LS14	-	35W	6ft	Switchable*	4200lm(3000K) 4550lm(4000K) 4550lm(6000K)	<b>£199.38</b>
	-	44W	6ft	Switchable*	5280lm(3000K) 5720lm(4000K) 5720lm(6000K)	
	-	53W	6ft	Switchable*	6360lm(3000K) 6890lm(4000K) 6890lm(6000K)	
	62W	-	6ft	Switchable*	7440lm(3000K) 8060lm(4000K) 8060lm(6000K)	

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

### Options

Suffix	Description	Trade Price
/E	Emergency with LiFePO4 battery	<b>+£46.04</b>
/S	Microwave sensor	<b>+£27.26</b>
/ES	Emergency & Microwave sensor	<b>+£76.79</b>

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
LFP7302-S20	LiFePO4	2000mAh	6.4V	<b>£21.76</b>

- 3** 3 Years  
Standard Warranty
- 5** 5 Years  
Extended Warranty
- 2000V**  
Surge Protection  
(L to GND)
- 100-120V**  
Input voltage

# Trent OnSite

110V non-corrosive linear luminaire for working site applications

- 100-120V input for work site application only
- Emergency models available in 4ft and 5ft
- IP65 and vandal resistant (IK08)



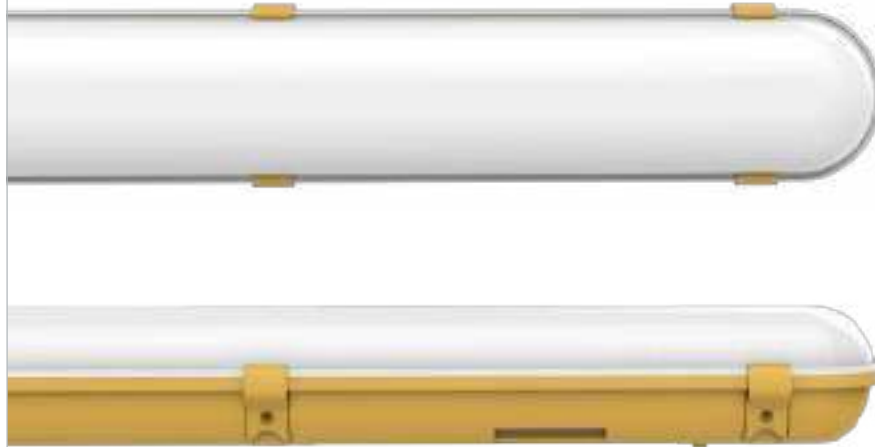
**KBTN-WL-STAND1**  
Luminaire not included



**KBTN-WL-STAND2**  
Luminaire not included



**KBTN-WL-CON**



## General Specification

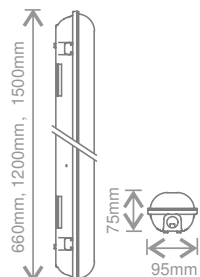
Voltage	100-120Vac 50-60Hz
CRI	80
Life Time	30,000h
Power Factor	>0.90
Ambient Temp	-10°C to 40°C
Housing	ABS
Diffuser	PC



## Order Code

- KBTN20WL2F-W40
- KBTN20WL4F-W40
- KBTN20WL4F/E-W40
- KBTN25WL5F-W40
- KBTN25WL5F/E-W40
- KBTN50WL5F-W40
- KBTN50WL5F/E-W40

## Dimensions



Order Code	Power	Length	Beam Angle	CCT	Lumen	Trade Price
KBTN20WL2F	20W	2ft	120°	4000K	<b>1800lm</b>	<b>£53.98</b>
KBTN20WL4F	20W	4ft	120°	4000K	<b>1800lm</b>	<b>£93.36</b>
KBTN25WL5F	25W	5ft	120°	4000K	<b>2250lm</b>	<b>£104.17</b>
KBTN50WL5F	50W	5ft	120°	4000K	<b>4500lm</b>	<b>£121.17</b>

## Emergency Option

Suffix	Description	Trade Price
/E	Emergency with LiFePO4 battery	<b>+£55.13</b>

## Battery

Order Code	Type	Capacity	Voltage	Trade Price
LFP7302-S20	LiFePO4	2000mAh	6.4V	<b>£21.76</b>

## Accessories

Type	Order Code	Description	Trade Price
Metal Stand	KBTN-WL-STAND1	Stand with 5m cable and yellow CEE 3-pin plug	<b>£248.95</b>
Metal Stand	KBTN-WL-STAND2	Stand with 5m cable and yellow CEE 3-pin plug for KBTN20WL2F-W40	<b>£212.29</b>
Junction box	KBTN-WL-CON	Waterproof junction box	<b>£14.84</b>



# Avon II

Non-corrosive integrated linear LED luminaire

Plug-in emergency 

Built-in motion sensor 

Modular design 

Ultra high efficiency 

- T8 non-corrosive LED replacement
- IP65 and vandal resistant (IK08)
  - Emergency option
  - 20mm Conduit entry
- Options with microwave on/off sensor



**5** **5 Years**  
Standard Warranty

**7** **7 Years**  
Extended Warranty

**⚡** **2000V**  
Surge Protection  
(L to GND)

Single, 4ft / 5ft / 6ft

Twin, 4ft / 5ft / 6ft

## General Specification

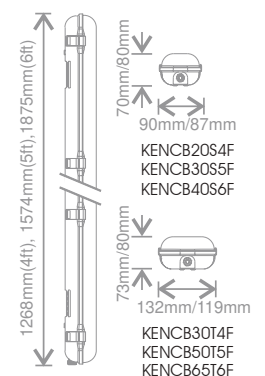
Voltage	220-240Vac 50-60Hz
CRI	82
Life Time	30,000h
Power Factor	0.94
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



## Order Code

- KENCB20S4F-W40
- KENCB20S4F/S-W40
- KENCB30T4F-W40
- KENCB30T4F/S-W40
- KENCB30S5F-W40
- KENCB30S5F/S-W40
- KENCB50T5F-W40
- KENCB50T5F/S-W40
- KENCB40S6F-W40
- KENCB40S6F/S-W40
- KENCB65T5F-W40
- KENCB65T5F/S-W40

## Dimensions



Order Code	Power	Length	CCT	Lumen	Trade Price
KENCB20S4F	20W	4ft single	4000K	<b>2400lm</b>	<b>£89.18</b>
KENCB30T4F	30W	4ft twin	4000K	<b>3840lm</b>	<b>£116.27</b>
KENCB30S5F	30W	5ft single	4000K	<b>3840lm</b>	<b>£110.03</b>
KENCB50T5F	50W	5ft twin	4000K	<b>6630lm</b>	<b>£152.43</b>
KENCB40S6F	40W	6ft single	4000K	<b>5000lm</b>	<b>£186.85</b>
KENCB65T6F	65W	6ft twin	4000K	<b>8125lm</b>	<b>£249.41</b>

## Sensor option

Suffix	Description	Trade Price
/S	Microwave sensor	<b>+£27.00</b>

## Optional Gears

Type	Order code	Description	Trade Price
Emergency module	CEW05LBL/N	Emergency, with Li-ion battery	<b>£97.05</b>
Self-Test emergency module	CEW05LBL/S	Self-test emergency, with Li-ion battery	<b>£115.25</b>

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**2000V**  
Surge Protection

# Avon III NEW Available Jun 2021

Non-corrosive integrated linear LED luminaire

- T8 non-corrosive LED replacement
- IP65 and vandal resistant (IK08)
- Optional built-in emergency module
- Optional built-in microwave sensor
- Opal diffuser
- 20mm Conduit entry

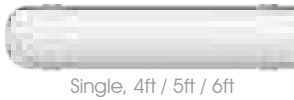
 Wattage switching

 Built-in emergency

 Built-in motion sensor

 Modular design

 Ultra high efficiency



Single, 4ft / 5ft / 6ft



Twin, 4ft / 5ft / 6ft



### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



### Order Code

KENCC10-18S4F-W40  
KENCC10-18S4F/E-W40  
KENCC10-18S4F/S-W40  
KENCC10-18S4F/ES-W40

KENCC20-36T4F-W40  
KENCC20-36T4F/E-W40  
KENCC20-36T4F/S-W40  
KENCC20-36T4F/ES-W40

KENCC18-30S5F-W40  
KENCC18-30S5F/E-W40  
KENCC18-30S5F/S-W40  
KENCC18-30S5F/ES-W40

KENCC34-60T5F-W40  
KENCC34-60T5F/E-W40  
KENCC34-60T5F/S-W40  
KENCC34-60T5F/ES-W40

KENCC40S6F-W40  
KENCC40S6F/E-W40  
KENCC40S6F/S-W40  
KENCC40S6F/ES-W40

KENCC65T6F-W40  
KENCC65T6F/E-W40  
KENCC65T6F/S-W40  
KENCC65T6F/ES-W40

Order Code	Default Power	Alternative Power	Length	CCT	Lumen	Trade Price
KENCC10-18S4F	-	10W	4ft single	4000K	<b>1350lm</b>	<b>£84.08</b>
	-	13W	4ft single	4000K	<b>1700lm</b>	
	-	16W	4ft single	4000K	<b>2100lm</b>	
	18W	-	4ft single	4000K	<b>2340lm</b>	
KENCC20-36T4F	-	20W	4ft twin	4000K	<b>2850lm</b>	<b>£99.41</b>
	-	26W	4ft twin	4000K	<b>3500lm</b>	
	-	32W	4ft twin	4000K	<b>4100lm</b>	
	36W	-	4ft twin	4000K	<b>4800lm</b>	
KENCC18-30S5F	-	18W	5ft single	4000K	<b>2450lm</b>	<b>£94.93</b>
	-	23W	5ft single	4000K	<b>3000lm</b>	
	26W	-	5ft single	4000K	<b>3500lm</b>	
	-	30W	5ft single	4000K	<b>4050lm</b>	
KENCC34-60T5F	-	34W	5ft twin	4000K	<b>4700lm</b>	<b>£127.01</b>
	-	44W	5ft twin	4000K	<b>5800lm</b>	
	52W	-	5ft twin	4000K	<b>6800lm</b>	
	-	60W	5ft twin	4000K	<b>7750lm</b>	

Order Code	Power	Length	CCT	Lumen	Trade Price
KENCC40S6F	40W	6ft single	4000K	<b>5000lm</b>	<b>£166.36</b>
KENCC65T6F	65W	6ft twin	4000K	<b>8125lm</b>	<b>£222.06</b>

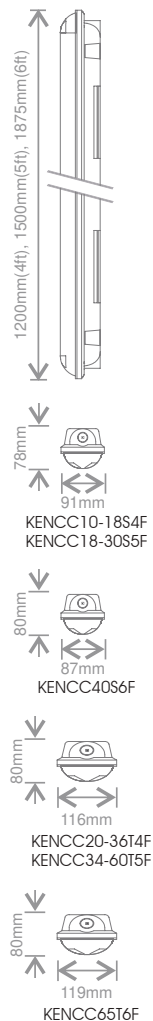
### Options

Suffix	Description	Trade Price
/E	With integrated emergency module	<b>+\$45.54</b>
/S	Microwave sensor	<b>+\$22.15</b>
/ES	Emergency & Microwave sensor	<b>+\$67.70</b>

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
LFP7302-S20 (4ft, 5ft)	LiFePO4	2000mAh	6.4V	<b>£21.76</b>
KBAT2600 (6ft)	Li-ion	2600mAh	7.4V	<b>£49.12</b>

### Dimensions



# Tyne

Non-corrosive linear luminaire with integrated LED

Built-in emergency 

- T5 non-corrosive LED replacement
- Unique lens to enhance light output directly under the luminaire
- Integrated emergency option available

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)



Single, 4ft / 5ft

Twin, 4ft / 5ft

### General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.90
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate



### Tyne I

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN25LS11	25W	4ft twin	4000K	<b>2750lm</b>	<b>£88.51</b>
KBTN40LS11	40W	5ft twin	4000K	<b>4430lm</b>	<b>£131.70</b>

### Tyne II

Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN18LS11	18W	4ft single	4000K	<b>2070lm</b>	<b>£85.30</b>
KBTN38LS11	38W	4ft twin	4000K	<b>4730lm</b>	<b>£116.60</b>
KBTN30LS11	30W	5ft single	4000K	<b>3450lm</b>	<b>£121.24</b>
KBTN56LS11	56W	5ft twin	4000K	<b>6440lm</b>	<b>£144.77</b>

### Order Code

KBTN25LS11-W40  
KBTN25LS11/E-W40  
KBTN40LS11-W40  
KBTN40LS11/E-W40  
KBTN18LS11-W40  
KBTN18LS11/E-W40  
KBTN38LS11-W40  
KBTN38LS11/E-W40  
KBTN30LS11-W40  
KBTN30LS11/E-W40  
KBTN56LS11-W40  
KBTN56LS11/E-W40

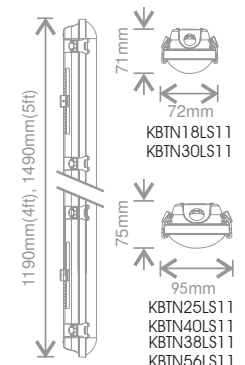
### Emergency Options

Suffix	Description	Trade Price
/E	With integrated emergency module	<b>+£50.00</b>

### Batteries

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2200LI3 (Tyne I)	Li-ion	2200mAh	7.4V	<b>£27.70</b>
LFP7302-S20 (Tyne II)	LiFePO4	2000mAh	6.4V	<b>£21.76</b>

### Dimension



**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**1000V**  
Surge Protection

# Rio

Thin profile non-corrosive linear luminaire with integrated LED

- High efficiency of 118lm/W
- Single ended connections with wires to terminals
- Suitable for interior or outdoor use
- IP65 and durable and rugged IK08 polycarbonate construction



Ultra high efficiency

## General Specification

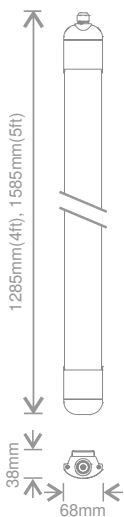
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 30,000h  
Power Factor 0.90  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



## Order Code

KBTN28LS10-W40  
KBTN38LS10-W40

## Dimensions



Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN28LS10	28W	4ft	4000K	<b>3700lm</b>	<b>£56.96</b>
KBTN38LS10	38W	5ft	4000K	<b>5000lm</b>	<b>£70.03</b>

# Indus

Non-corrosive linear luminaire for Kosnic LED T8 lamps

Built-in emergency 

- IP65 and vandal resistant (IK08)
- Use with LED T8 only
- Emergency option
- 20mm Conduit entry

**5** 5 Years  
Standard Warranty

Recommended lamp



Dura LED T8 ⇐ P258



Single, 4ft / 5ft / 6ft

Twin, 4ft / 5ft / 6ft

Luminaire not included

### General Specification

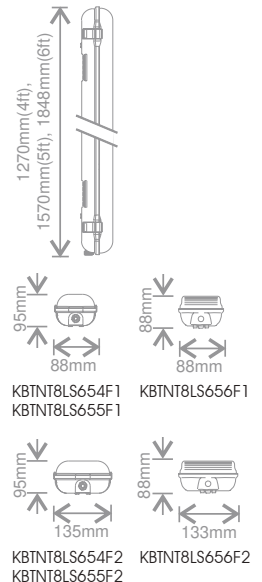
Voltage 220-240Vac  
50-60Hz  
Housing Polycarbonate



### Order Code

KBTNT8LS654F1  
KBTNT8LS654F1/E  
KBTNT8LS654F2  
KBTNT8LS654F2/E  
KBTNT8LS655F1  
KBTNT8LS655F1/E  
KBTNT8LS655F2  
KBTNT8LS655F2/E  
KBTNT8LS656F1  
KBTNT8LS656F1/E  
KBTNT8LS656F2  
KBTNT8LS656F2/E

### Dimensions



Order Code	Model	Lamp	LOR	Trade Price
KBTNT8LS654F1	4ft single	1 x 4ft LED T8	92%	<b>£46.56</b>
KBTNT8LS654F2	4ft twin	2 x 4ft LED T8	92%	<b>£60.66</b>
KBTNT8LS655F1	5ft single	1 x 5ft LED T8	92%	<b>£58.02</b>
KBTNT8LS655F2	5ft twin	2 x 5ft LED T8	92%	<b>£76.07</b>
KBTNT8LS656F1	6ft single	1 x 6ft LED T8	90%	<b>£91.31</b>
KBTNT8LS656F2	6ft twin	2 x 6ft LED T8	90%	<b>£119.80</b>

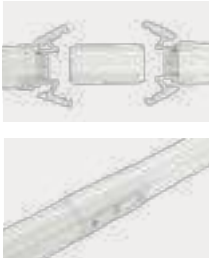
### Emergency Option

Suffix	Description	Trade Price
/E	Emergency with Li-ion battery	<b>+£78.00</b>

### Battery

Order Code	Type	Capacity	Voltage	Trade Price
KBAT2600	Li-ion	2600mAh	7.4V	<b>£49.12</b>

- 5** 5 Years  
Standard Warranty
- 7** 7 Years  
Extended Warranty
- ⚡** 1000V  
Surge Protection



# Volta III

**NEW** Available  
Jun 2021

Non-corrosive batten with integrated LED

- IP65 compliant, suitable for indoor or outdoor use
- Durable and rugged IK08 polycarbonate construction
- High efficiency output
- Class I
- Designed for interlink with pass-through wiring
- Switchable CCT (3000/4000/6000K)
- Instant start

 CCT switching

 Ultra high efficiency

### General Specification

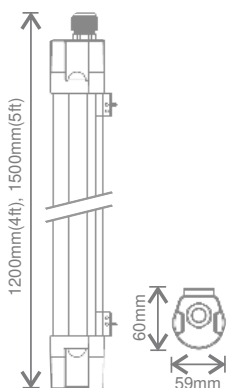
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.96  
Ambient Temp -20°C to 40°C  
Housing Polycarbonate



### Order Code

KINC36B4F/SCT  
KINC48B5F/SCT

### Dimensions



Order Code	Power	Length	CCT	Lumen	Trade Price
KINC36B4F	36W	4ft	Switchable*	<b>4200lm</b>	<b>£113.60</b>
KINC48B5F	48W	5ft	Switchable*	<b>6000lm</b>	<b>£138.27</b>

\* When CCT switchable, colour temperature switches 3000K, 4000K & 6000K

### Accessories

Type	Order Code	Description	Trade Price
Suspension kit	KPTBTN/SUS5	Maximum 2.0m drop	<b>£7.27</b>
Interlock Connector	KPT-KBTN-CI1	Inline Interlock connector	<b>£3.82</b>

SPEC LINE

# Volga

Agriculture ammonia-resistant Inter-linkable cylinder non-corrosive batten

Agriculture Light 

Flicker free 

Ultra high efficiency 

- Ammonia-resistant PMMA body for livestock lighting
- Cable gland with wiring terminals on either end of luminaire
  - Stainless end cap
  - Popular cylinder body



**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**2000V** Surge Protection (L to GND)



### General Specification

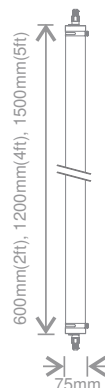
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.90
Ambient Temp	-20°C to 40°C
Housing	Aluminum
Diffuser	PMMA



### Order Code

KBTN20LS13-W40  
KBTN33LS13-W40  
KBTN45LS13-W40

### Dimensions



Order Code	Power	Length	CCT	Lumen	Trade Price
KBTN20LS13	20W	2ft	4000K	<b>2350lm</b>	<b>£173.62</b>
KBTN33LS13	33W	4ft	4000K	<b>4150lm</b>	<b>£245.55</b>
KBTN45LS13	45W	5ft	4000K	<b>6000lm</b>	<b>£282.40</b>

### Accessory

Type	Order Code	Description	Trade Price
Suspension kit	KPTBTN/SUS4	Maximum 2.0m drop	<b>£13.61</b>





Kosnic were selected to provide the most efficient LED technology for new university accommodation.

### The Quad case study

Location: Norwich

Solution: 18w Nyos edge-lit circular panel downlight, 45w Slim-line interior batten, Universal Emergency Module (UEM) and 50w Lena-I batten with emergency and motion sensor built in.



# Firerated & Commercial Downlight



Mauna 147



Mauna Plus 148



Mauna Pro 150



Erta 152



Telica 153



Katla-Pro 157



Katla-Eco 158



Naso 159



Toba 161



Nyos 162



Faceta 163



Napa 166

# Mauna LED Fire-rated Downlight

## Mauna Pro 7W, 550lm

### Front CCT Switch

3000K / 4000K / Dim to warm

### Detachable Dimmable Driver

With 3pin plug-in junction box

### Push-wire Plug-in Terminal

Loop-in and loop-out



IP65



Fixed



Tilt

## Mauna Plus 6W, 550lm

### CCT Switch

3000K / 4000K / 6000K

### Integrated Dimmable Driver

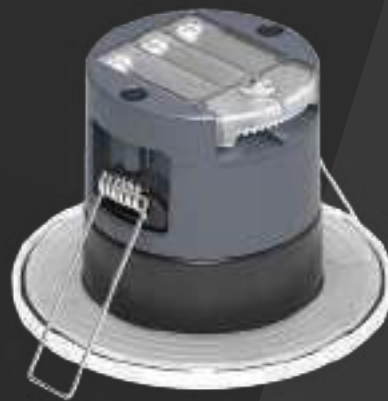
Highly efficient and compact

### Push-wire Terminals

Loop-in and loop-out

### Fixed & Tilt Models

Options of black or white tilting unit



## Mauna

6W, 550lm

IP65

### Fixed CCT

3000K, 4000K or 6500K

### Integrated Dimmable Driver

With 3pin plug-in junction box

### Screw Terminals

4mm<sup>2</sup> loop-in & loop-out terminals

Patent

## Magnetic

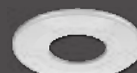
One set of bezels for three models



Brass



Matt Black



Matt White



Chrome



Satin Chrome

Except for Mauna Plus Tilt that uses larger bezels

## Mains emergency module

with Self-adhesive indicator pad



- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 1000V** Surge Protection (L to GND)
- Mains Dimmable** Dimmable
- 64mm** Cut-out

# Mauna

6W LED fire rated downlight with interchangeable magnetic bezel

- Integrated dimmable driver
- Interchangeable magnetic bezels with different finishes
- Can be installed under Insulation layer
- Compact size
- IP65

- E+** Add-on emergency
- M** Magnetic bezel
- ECO** Modular design



Recommended



Mains emergency module P40

### General Specification

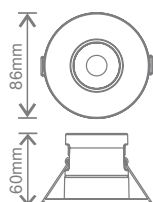
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	30,000h
Power Factor	0.85
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel



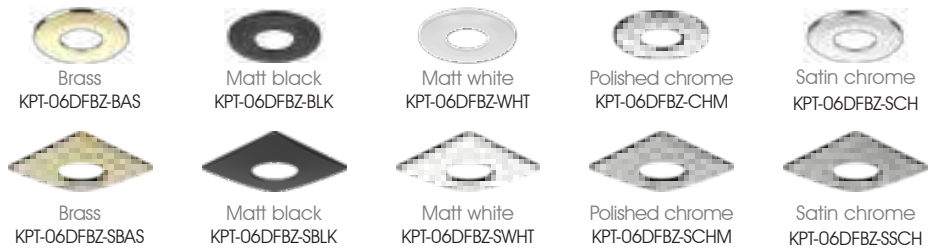
### Order Code

- KFDL06DIM/S30-WHT
- KFDL06DIM/S40-WHT
- KFDL06DIM/S65-WHT
- KPT-06DFBZ-BAS
- KPT-06DFBZ-BLK
- KPT-06DFBZ-WHT
- KPT-06DFBZ-CHM
- KPT-06DFBZ-SCH
- KPT-06DFBZ-SBAS
- KPT-06DFBZ-SBLK
- KPT-06DFBZ-SWHT
- KPT-06DFBZ-SCHM
- KPT-06DFBZ-SSCH

### Dimensions



### Interchangeable bezels



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL06DIM	6W	40°	64mm	3000K 4000K 6500K	<b>550lm</b> <b>560lm</b> <b>570lm</b>	<b>£26.05</b>

### Interchangeable bezels

Order Code	KPT-06DFBZ-BAS	KPT-06DFBZ-BLK	KPT-06DFBZ-WHT	KPT-06DFBZ-CHM	KPT-06DFBZ-SCH
Trade Price	<b>£3.72</b>	<b>£3.72</b>	<b>£3.52</b>	<b>£3.72</b>	<b>£3.72</b>
Order Code	KPT-06DFBZ-SBAS	KPT-06DFBZ-SBLK	KPT-06DFBZ-SWHT	KPT-06DFBZ-SCHM	KPT-06DFBZ-SSCH
Trade Price	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>

### Optional Gear

Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-ion emergency module	<b>£88.74</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer



# Mauna Plus Fixed

Add-on emergency 

CCT switching 

Magnetic bezel 

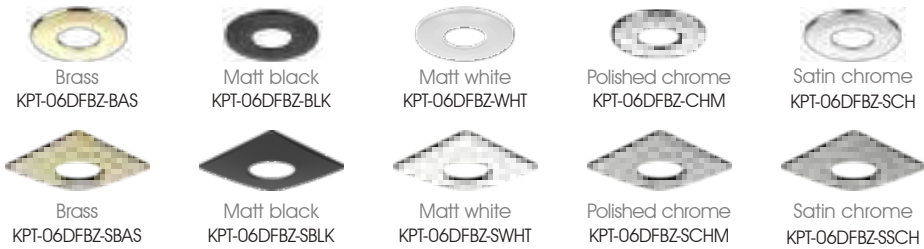
Modular design 

6W Dimmable LED fire rated downlight with interchangeable magnetic bezel

- Integrated dimmable driver
- Interchangeable magnetic bezels with different finishes
  - Can be installed under Insulation layer
  - Compact size
- Fixed white bezel as standard with add on satin chrome bezel included
  - IP65



## Interchangeable bezels



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL06DIM/SCT	6W	60°	64mm	Switchable*	550lm (3000K) 600lm (4000K) 550lm (6000K)	£33.02

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

## Interchangeable bezels

Order Code	KPT-06DFBZ-BAS	KPT-06DFBZ-BLK	KPT-06DFBZ-WHT	KPT-06DFBZ-CHM	KPT-06DFBZ-SCH
Trade Price	£3.72	£3.72	£3.52	£3.72	£3.72
Order Code	KPT-06DFBZ-SBAS	KPT-06DFBZ-SBLK	KPT-06DFBZ-SWHT	KPT-06DFBZ-SCHM	KPT-06DFBZ-SSCH
Trade Price	£5.21	£5.21	£5.21	£5.21	£5.21

## Optional Gear

Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-ion emergency module	£88.74

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 1000V** Surge Protection (L to GND)
- Mains Dimmable** Dimmable
- 64mm** Cut-out

Recommended



Mains emergency P40 module

Push-in wire clip



CCT switch located at the side of the downlight

## General Specification

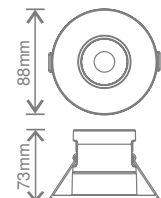
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	30,000h
Power Factor	0.85
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel



## Order Code

KFDL06DIM/SCT-WHT  
 KPT-06DFBZ-BAS  
 KPT-06DFBZ-BLK  
 KPT-06DFBZ-WHT  
 KPT-06DFBZ-CHM  
 KPT-06DFBZ-SCH  
 KPT-06DFBZ-SBAS  
 KPT-06DFBZ-SBLK  
 KPT-06DFBZ-SWHT  
 KPT-06DFBZ-SCHM  
 KPT-06DFBZ-SSCH

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)

**Mains Dimmable**  
Dimmable

**74mm**  
Cut-out

Recommended



Mains emergency P40 module

Push-in wire clip



CCT switch located at the side of the downlight

**General Specification**

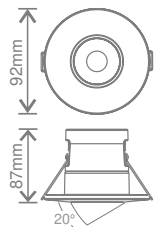
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 30,000h  
Power Factor 0.85  
Ambient Temp -20°C to 40°C  
Housing Zinc coated sheet steel



**Order Code**

KFDL06DTW/SCT-WHT  
KFDL06DTB/SCT-SCH  
KPT-06DTBZ-BAS  
KPT-06DTBZ-BLK  
KPT-06DTBZ-WHT  
KPT-06DTBZ-CHM  
KPT-06DTBZ-SCH

**Dimensions**



# Mauna Plus Tilt

6W Dimmable LED fire rated downlight with interchangeable magnetic bezel

- Integrated dimmable driver
- Interchangeable magnetic bezels with different finishes
- Can be installed under Insulation layer
- Compact size
- IP65

**E+** Add-on emergency

**CCT** CCT switching

**M** Magnetic bezel

**ECO** Modular design



▲ KFDL06DTW/SCT-WHT



▲ KFDL06DTB/SCT-SCH  
Black anti-glare rim with satin chrome bezel included



**Interchangeable bezels**



Brass  
KPT-06DTBZ-BAS



Matt black  
KPT-06DTBZ-BLK



Matt white  
KPT-06DTBZ-WHT



Polished chrome  
KPT-06DTBZ-CHM



Satin chrome  
KPT-06DTBZ-SCH

Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL06DTW/SCT-WHT	6W	60°	74mm	Switchable*	550lm (3000K) 600lm (4000K) 550lm (6000K)	£59.71
KFDL06DTB/SCT-SCH	6W	60°	74mm	Switchable*	550lm (3000K) 600lm (4000K) 550lm (6000K)	£62.46

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

**Interchangeable bezels**

Order Code	KPT-06DTBZ-BAS	KPT-06DTBZ-BLK	KPT-06DTBZ-WHT	KPT-06DTBZ-CHM	KPT-06DTBZ-SCH
Trade Price	£3.72	£3.72	£3.52	£3.72	£3.72

**Optional Gear**

Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-ion emergency module	£88.74

**RF wireless triac dimmer**

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

**Patent**

# Mauna Pro

Add-on emergency 

CCT switching 

Magnetic bezel 

Modular design 

7W Dimmable fire rated downlight with interchangeable bezel

- Independent driver and a junction box for fast connection
- CCT Switchable (3000K/4000K/Dim To Warm 3000K-2000K)
  - IP65, Class II
  - Dimmable
- Can be installed under insulation

▼ White bezel included



### Interchangeable bezels



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL07DIM/SCT	7W	60°	70mm	Switchable*	<b>480lm</b> (3000K) <b>550lm</b> (4000K)	<b>£64.68</b>

\* When CCT switchable, colour temperature switches between 3000K, 4000K & Dim to Warm 3000K-2000K

### Interchangeable bezels

Order Code	KPT-06DFBZ-BAS	KPT-06DFBZ-BLK	KPT-06DFBZ-WHT	KPT-06DFBZ-CHM	KPT-06DFBZ-SCH
Trade Price	<b>£3.72</b>	<b>£3.72</b>	<b>£3.52</b>	<b>£3.72</b>	<b>£3.72</b>
Order Code	KPT-06DFBZ-SBAS	KPT-06DFBZ-SBLK	KPT-06DFBZ-SWHT	KPT-06DFBZ-SCHM	KPT-06DFBZ-SSCH
Trade Price	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>	<b>£5.21</b>

### Optional Gear

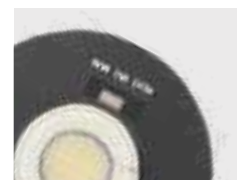
Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-ion emergency module	<b>£88.74</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 500V** Surge Protection
- Mains Dimmable** Dimmable
- 70mm** Cut-out



CCT switch accessible at the front of the fitting, under the magnetic bezel.

### General Specification

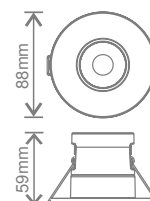
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	30,000h
Power Factor	0.94
Ambient Temp	-30°C to 40°C
Housing	Zinc coated sheet steel



### Order Code

KFDL07DIM/SCT-WHT  
KPT-06DFBZ-BAS  
KPT-06DFBZ-BLK  
KPT-06DFBZ-WHT  
KPT-06DFBZ-CHM  
KPT-06DFBZ-SCH  
KPT-06DFBZ-SBAS  
KPT-06DFBZ-SBLK  
KPT-06DFBZ-SWHT  
KPT-06DFBZ-SCHM  
KPT-06DFBZ-SSCH

### Dimensions





# Mauna Conceal Bezel

For Mauna, Mauna Plus Fixed & Mauna Pro Only

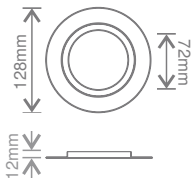
- Fire rated in accordance with Part B
- For cut outs 80-110 mm in diameter
- Option of white and satin chrome
- IP65



### Order Code

KPT-MACBZ-WHT  
KPT-MACBZ-SCH

### Dimensions

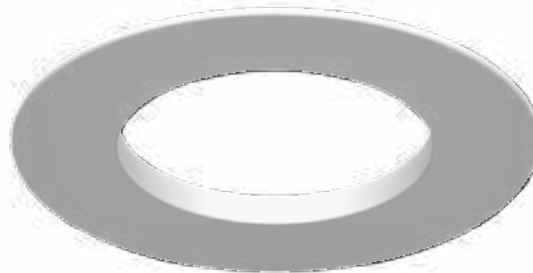


Order Code	Description	Trade Price
KPT-MACBZ-WHT	Conceal bezel for Mauna range fire rated down light, white finishing	£8.57
KPT-MACBZ-SCH	Conceal bezel for Mauna range fire rated down light, satin chrome finishing	£8.77

# General Conceal Plate

For down light with cut out of 76mm or less

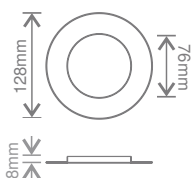
- Fire rated in accordance with Part B
- For cut outs 80-110 mm in diameter
- White finishing
- IP20



### Order Code

KPT-GECPL-WHT

### Dimensions



Order Code	Description	Trade Price
KPT-GECPL-WHT	General conceal bezel for down light with cut out of 76mm or less, white finishing	£8.57

# Erta

## 5W LED fire rated downlight

- Integrated dimmable driver
- Push wire terminals
- Can be installed under Insulation layer
- Compact size
- IP65

Add-on emergency **E+**

Modular design **ECO**



Satin Chrome

Order Code	Power	Beam Angle	Finish	Cut-out	CCT	Lumen	Trade Price
KFDL05DIM	5W	45°	White	64mm	3000K 4000K 6500K	<b>450lm</b> <b>470lm</b> <b>500lm</b>	<b>£23.47</b>
KFDL05DIM	5W	45°	Satin Chrome	64mm	3000K 4000K 6500K	<b>450lm</b> <b>470lm</b> <b>500lm</b>	<b>£24.64</b>

### Optional Gear

Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-ion emergency module	<b>£88.74</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

**3** 3 Years Standard Warranty

**5** 5 Years Extended Warranty

**1000V** Surge Protection (L to GND)

**Mains Dimmable** Dimmable

**64mm** Cut-out



Recommended



Mains emergency P40 module

### General Specification

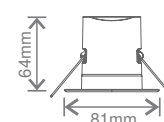
Voltage	220-240Vac 50-60Hz
CRI	>82
Life Time	30,000h
Power Factor	0.89
Ambient Temp	-30°C to 40°C
Housing	Zinc coated sheet steel



### Order Code

KFDL05DIM/S30-WHT  
KFDL05DIM/S40-WHT  
KFDL05DIM/S65-WHT  
KFDL05DIM/S30-SCH  
KFDL05DIM/S40-SCH  
KFDL05DIM/S65-SCH

### Dimensions



- 5** **5 Years**  
Standard Warranty
- 7** **7 Years**  
Extended Warranty
- 500V**  
Surge Protection
- Mains Dimmable**  
Dimmable
- 73mm**  
Cut-out

# Telica Fixed

10W LED fire rated downlight with interchangeable magnetic bezel

- Dimmable driver included
- Interchangeable magnetic bezels with different finishes
- Switchable colour temperature 2700K/4000K/6500K
- Versions of black and white anti-glare reflectors
- IP65, Class II

 CCT switching

 Magnetic bezel

## Interchangeable bezels

-  Brass  
KPT-10DFBZ-BAS
-  Matt black  
KPT-10DFBZ-BLK
-  Polished chrome  
KPT-10DFBZ-CHM
-  Satin chrome  
KPT-10DFBZ-SCH
-  White  
KPT-10DFBZ-WHT



## General Specification

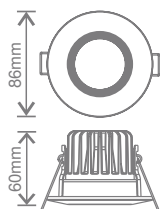
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 30,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Zinc coated sheet steel



## Order Code

KFDL10DFW/SCT-WHT  
KFDL10DFB/SCT-SCH  
KPT-10DFBZ-BAS  
KPT-10DFBZ-BLK  
KPT-10DFBZ-CHM  
KPT-10DFBZ-SCH  
KPT-10DFBZ-WHT

## Dimensions



▲ KFDL10DFW/SCT-WHT  
Anti-glare rim with white bezel included



▲ KFDL10DFB/SCT-SCH  
Anti-glare rim with satin chrome bezel included

Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL10DFW/SCT-WHT	10W	40°	73mm	Switchable*	650lm	£53.88
KFDL10DFB/SCT-SCH	10W	40°	73mm	Switchable*	650lm	£52.96

\* Where CCT switchable, colour temperature switches between 2700K, 4000K & 6500K

## Interchangeable bezels

Order Code	KPT-10DFBZ-BAS	KPT-10DFBZ-BLK	KPT-10DFBZ-CHM	KPT-10DFBZ-SCH	KPT-10DFBZ-WHT
Trade Price	£3.63	£3.63	£3.63	£3.63	£3.63

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

Patent

# Telica Tilt

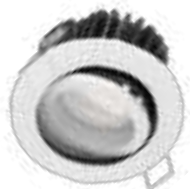
10W LED fire rated downlight with interchangeable magnetic bezel

CCT switching 

Magnetic bezel 

• Dimmable driver included

- Interchangeable magnetic bezels with different finishes
- Switchable colour temperature 2700K/4000K/6500K
- Versions of black and white anti-glare reflectors



▲ KFDL10DTW/SCT-WHT  
White anti-glare rim with white bezel included



▲ KFDL10DTB/SCT-SCH  
Black anti-glare rim with satin chrome bezel included

Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDL10DTW/SCT-WHT	10W	40°	81mm	Switchable*	650lm	£57.42
KFDL10DTB/SCT-SCH	10W	40°	81mm	Switchable*	650lm	£54.87

\* Where CCT switchable, colour temperature switches between 2700K, 4000K & 6500K

## Interchangeable bezels

Order Code	KPT-10DTBZ-BAS	KPT-10DTBZ-BLK	KPT-10DTBZ-CHM	KPT-10DTBZ-SCH	KPT-10DTBZ-WHT
Trade Price	£3.63	£3.63	£3.63	£3.63	£3.63

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**500V** Surge Protection

**Mains Dimmable** Dimmable

**81mm** Cut-out

## Interchangeable bezels

- Brass  
KPT-10DTBZ-BAS
- Matt black  
KPT-10DTBZ-BLK
- Polished chrome  
KPT-10DTBZ-CHM
- Satin chrome  
KPT-10DTBZ-SCH
- White  
KPT-10DTBZ-WHT

## General Specification

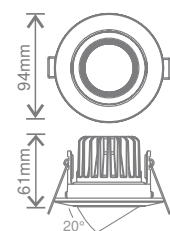
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	30,000h
Power Factor	0.90
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel



## Order Code

KFDL10DTW/SCT-WHT  
KFDL10DTB/SCT-SCH  
KPT-10DTBZ-BAS  
KPT-10DTBZ-BLK  
KPT-10DTBZ-CHM  
KPT-10DTBZ-SCH  
KPT-10DTBZ-WHT

## Dimensions





“Kosnic LED luminaires provide a very comfortable light for our residents as well as for the office staff”

– Philippe DUBREUIL, Technical Services Manager

### Hospital Center of Loches

Location: Hospital Center of Loches

Solution: 30W Twin Bar panel and 24W Faceta Downlight.

# Katla-Pro Fire-rated GU10 Downlight

## Fire-rated GU10 Downlight

with magnetic interchangeable bezel

### Intumescent Pad

Sits between the back plate and the GU10 Lamp holder. In the case of fire, it expands and closes the ventilation window.



### Ventilation Window

Large circular opening at the side of the fitting maximises the airflow volume.

### Chimney Effect

The canister with two openings and heat source being located at lower half of the can creates chimney Effect for enhanced airflow.



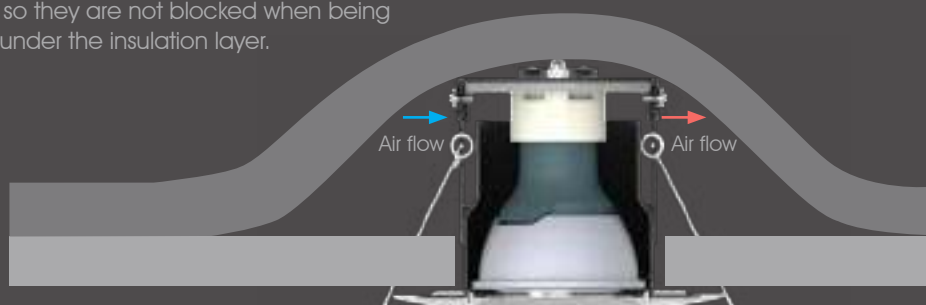
The **IP65** bezel has a front glass fixed with silicon adhesive to seal the front opening.

### Magnetic interchangeable bezel

**IP20** Magnetic bezel with embedded magnets.

### Installing under insulation layer

The ventilation windows are located to the side of fitting, so they are not blocked when being installed under the insulation layer.



**5** 5 Years  
Standard Warranty

**68mm**  
Cut-out

# Katla-Pro

GU10 fire rated downlight with magnetic interchangeable bezel

- Optional chrome and silver bezels
- Chimney effect for enhanced air-circulation
- Compact size
- Side ventilation window
- Can be installed under Insulation layer
- Available in IP65 and IP20

 **Magnetic bezel**

Recommended lamp



LED GU10 ⚡ P263

▼ Lamp not included ,White bezel included



I Joist



I Joist



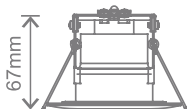
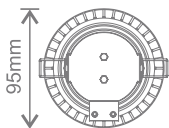
Solid Joist



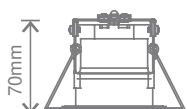
### Order Code

KFDLGU10F120-WHT  
KFDLGU10F165-WHT  
KPT-BZ20-CHM  
KPT-BZ20-SLV  
KPT-BZ65-CHM  
KPT-BZ65-SLV

### Dimensions



KFDLGU10F120-WHT



KFDLGU10F165-WHT



IP20 White



IP20 Silver



IP20 Chrome



IP65 White



IP65 Silver



IP65 Chrome

### White IP20 bezel included

Order Code	Max Power	Protection	Lamp Type	Fire Rating	Cut-out	Trade Price
KFDLGU10F120-WHT	7W	Class II IP20	GU10	60 minutes	68mm	<b>£18.59</b>

### White IP65 bezel included

Order Code	Max Power	Protection	Lamp Type	Fire Rating	Cut-out	Trade Price
KFDLGU10F165-WHT	7W	Class II IP65	GU10	60 minutes	68mm	<b>£18.59</b>

### Interchangeable bezels

Order Code	KPT-BZ20-CHM	KPT-BZ20-SLV	KPT-BZ65-CHM	KPT-BZ65-SLV
Trade Price	<b>£4.23</b>	<b>£3.87</b>	<b>£4.54</b>	<b>£4.17</b>

**Patent**

# Katla-Eco

GU10 fire rated downlight

- Chimney effect for enhanced air-circulation
  - Compact size
  - Side ventilation window
- Can be installed under Insulation layer

**5** 5 Years  
Standard Warranty

**68mm**  
Cut-out

Recommended lamp



LED GU10 ↪ P263



I Joist



I Joist



Solid Joist



▲ KFDLGU10F-CHM



▲ KFDLGU10F-SCH



▲ KFDLGU10F-BLK



▲ KFDLGU10F-BAS

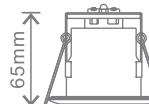
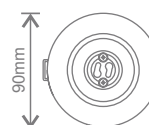


### Order Code

KFDLGU10F-WHT  
KFDLGU10F-BAS  
KFDLGU10F-BLK  
KFDLGU10F-CHM  
KFDLGU10F-SCH

Order Code	Max Power	Finish	Protection	Lamp Type	Fire Rating	Cut-out	Trade Price
KFDLGU10F	7W	White	Class II IP20	GU10	60 minutes	68mm	£11.64
KFDLGU10F	7W	Chrome Brass Black Satin Chrome	Class II IP20	GU10	60 minutes	68mm	£12.44

### Dimensions



Patent





- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 70-75mm** Cut-out
- 500V** Surge Protection

# Naso

Fire rated LED downlight with Bluetooth app control and RGB backlight

- Fully app controlled with normal on/off switch
- Interchangeable Bezels with different finishes
- Twist and lock bezel design
- 10-100% smooth dimming
- RGB halo's create perfect ambient lighting
- IP44, Class II

-  CCT switching
-  Flicker free
-  Interchangeable bezel

### Interchangeable bezels



### General Specification

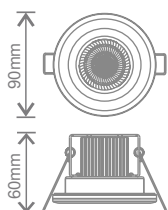
Voltage 200-240Vac  
50-60Hz  
CRI >80  
Life Time 50,000h  
Power Factor 0.50  
Ambient Temp -20°C to 40°C  
Housing Zinc coated sheet steel



### Order Code

KFDB10CBL-TCT  
KPT-10CBL-BAS  
KPT-10CBL-NIK

### Dimensions



▲ Bezels included in IP44 all-in-one pack



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KFDB10CBL	10W	60°	70 to 75mm	3000K to 6000K	500lm	£95.95

### Interchangeable bezels

Order Code	KPT-10CBL-BAS	KPT-10CBL-NIK
Trade Price	£5.98	£5.98

# Toba circular surface luminaire

 *Watt* &  *CCT switching*

Ultra slim profile LED surface luminaire  
*with mounting options*

## Recessed

Fit all cut-out from 65-205mm

10-18W, 18W

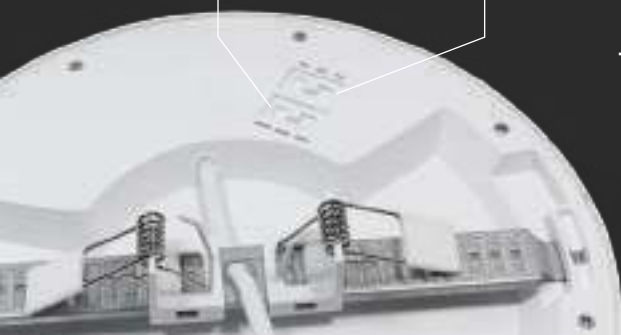
 **Slidable Springs** 



## Surface-mount

Easy & Fast installation

10-18W, 18W, 24W



10-18W

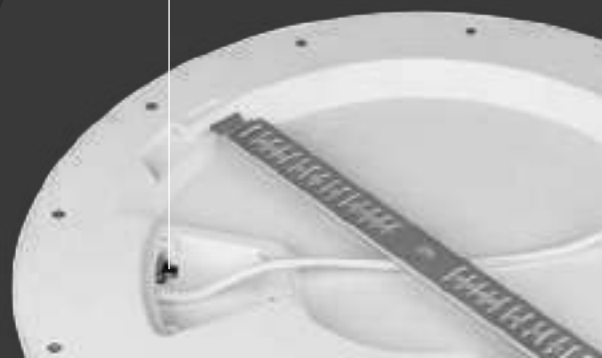
**IP20**

Ø230mm

24W

**IP54**

Ø330mm



**Upgrade**  
Apr 2021  
Wattage switching

# Toba

Wattage and CCT switchable Ultra slim profile circular LED surface luminaire with mounting options

Wattage switching



CCT switching



- Surface or cut-out mounting options
- Ultra slim profile of only 21.5mm / 25mm
- IP54, suitable for bathroom applications
- Switchable CCT 3000K/4000K/6500K
- Unique adjustable mounting bracket (cut-out range 65-205mm)
  - Long life of 40,000hrs
  - IP54, Class II



**3** Years  
Standard Warranty

**5** Years  
Extended Warranty

**65-205mm**  
Cut-out

**500V**  
Surge Protection



KPNL18CF54-W40-WHT  
KPNL10-18CF/SCT-WHT



KPNL12-24CF54/SCT-WHT

### General Specification

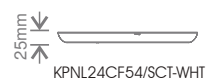
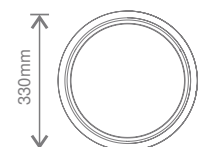
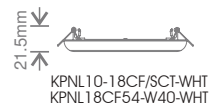
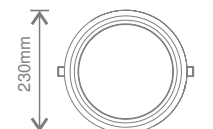
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.93
Ambient Temp	-20°C to 40°C
Housing	Polycarbonate
Diffuser	Polystyrene



### Order Code

KPNL10-18CF/SCT-WHT  
KPNL18CF54-W40-WHT  
KPNL24CF54/SCT-WHT

### Dimensions



Order Code	Default Power	Alternative Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KPNL10-18CF	-	10W	120°	65-205mm	Switchable*	1000lm(3000K) 1100lm(4000K) 1100lm(6500K)	£61.31
	-	15W	120°	65-205mm	Switchable*	1400lm(3000K) 1500lm(4000K) 1500lm(6500K)	
	18W	-	120°	65-205mm	Switchable*	1600lm(3000K) 1700lm(4000K) 1700lm(6500K)	
KPNL18CF54-W40	18W	-	120°	65-205mm	4000K	1700lm	£61.73
KPNL24CF54/SCT	24W	-	120°	-	Switchable*	2150lm(3000K) 2400lm(4000K) 2400lm(6500K)	£134.81

\* When CCT switchable, colour temperature switches between 3000K, 4000K & 6500K

- 5** 5 Years  
Standard Warranty
- 7** 7 Years  
Extended Warranty
- 500V**  
Surge Protection
- DALI & 1-10V (0-10V)**  
Dimmable Options
- 140/160/227mm**  
Cut-out

# Nyos

## Edge-lit circular LED panel downlight

- IP20 when ceiling recess mounted
- Ultra-slim profile
- Flicker free
- Optional DALI, 1-10V (0-10V) driver

 Plug-in emergency

 Flicker free

 Modular design

### New Optional Gear



Standard/Self-test universal emergency module  
UEM II P37

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI 82  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminum  
Diffuser Polycarbonate



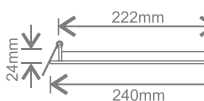
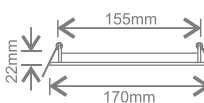
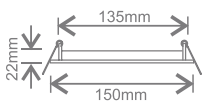
### Order Code

KPNLLS10CF-W30-WHT  
KPNLLS10CF-W40-WHT  
KPNLLS10CF-W65-WHT

KPNLLS12CF-W30-WHT  
KPNLLS12CF-W40-WHT  
KPNLLS12CF-W65-WHT

KPNLLS18CF-W30-WHT  
KPNLLS18CF-W40-WHT  
KPNLLS18CF-W65-WHT

### Dimensions



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KPNLLS10CF	10W	110°	140mm	3000K 4000K 6500K	<b>710lm</b>	<b>£18.28</b>
KPNLLS12CF	12W	110°	160mm	3000K 4000K 6500K	<b>900lm</b>	<b>£20.40</b>
KPNLLS18CF	18W	110°	227mm	3000K 4000K 6500K	<b>1350lm</b>	<b>£27.24</b>

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC040TDC50-105	Configurable DALI & 1-10V (0-10V) Dimmable Driver	<b>£76.65</b>
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	<b>£96.73</b>
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	<b>£119.23</b>

# Faceta

Premium LED downlight with faceted reflector

Plug-in emergency 

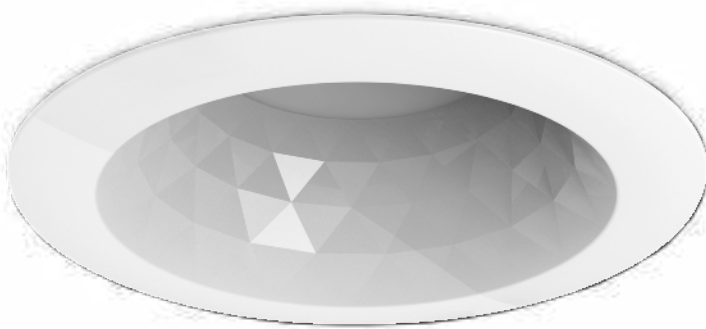
CCT switching 

Wattage switching 

Flicker free 

Modular design 

- IP65 when ceiling recess mounted
- Unique faceted white reflector
- Optional drop-down diffusers for KCDL2622FR65
  - Low glare
  - Flicker free
- Optional DALI, 1-10V (0-10V) driver (KCDL2622FR65)
  - Option of CCT switching 3000K, 4000K, 5000K



Clear frosted anti-glare halo diffuser for KCDL2622FR65



Opal frosted anti-glare halo diffuser for KCDL2622FR65

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**1000V** Surge Protection

**DALI & 1-10V (0-10V)** Dimmable Options

**86/111/164/215mm** Cut-out

## New Optional Gear



Standard/Self-test universal emergency module  
UEM II 



In-line switch for CCT selection

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	85
Life Time	40,000h
Power Factor	>0.90
Ambient Temp	-20°C to 40°C
Housing	PBT
Diffuser	Polycarbonate



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KCDLLS08FR65/SCT	8W	80°	86mm	Switchable*	350lm(3000K) 400lm(4000K) 400lm(5000K)	£63.63

\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

## Order Code

KCDLLS08FR65/SCT-WHT  
KCDL1006FR65/SCT-WHT  
KCDL2016FR65/SCT-WHT  
KCDL2622FR65/SCT-WHT

Order Code	Default Power	Alternative Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KCDL1006FR65	10W	-	80°	111mm	Switchable*	550lm (3000K) 600lm (4000K) 600lm (5000K)	£71.56
	-	6W				300lm (3000K) 330lm (4000K) 330lm (5000K)	
KCDL2016FR65	20W	-	80°	164mm	Switchable*	1250lm (3000K) 1380lm (4000K) 1380lm (5000K)	£82.75
	-	16W				1000lm (3000K) 1100lm (4000K) 1100lm (5000K)	
KCDL2622FR65	26W	-	80°	215mm	Switchable*	2000lm (3000K) 2130lm (4000K) 2130lm (5000K)	£95.95
	-	22W				1700lm (3000K) 1800lm (4000K) 1800lm (5000K)	

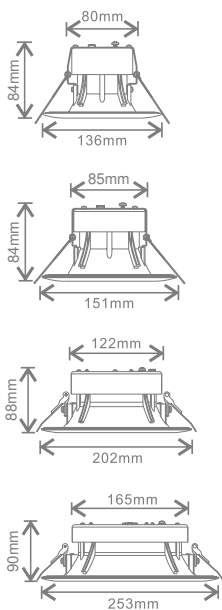
**Optional Gears**

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver for KCDL2622FR65	£68.46
Emergency module	CEW03LIL/N	UEM, 3W, Li-ion battery	£96.73
Self-test emergency module	CEW03LIL/S	Self-test UEM, 3W, Li-ion battery	£119.23

**Accessories**

Type	Order Code	Description	Trade Price
Diffuser	KPT-CLR-CDL24	Clear frosted anti-glare halo diffuser for KCDL2622FR65	£20.39
Diffuser	KPT-OPL-CDL24	Opal frosted anti-glare halo diffuser for KCDL2622FR65	£20.39

**Dimensions**



# Napa Commercial Downlight

## Multi-CCT

## LED commercial downlight

*with reflector options*



### Push-wire terminal

Loop-in and loop-out push-wire connectors



### CCT Switch

Switchable colour temperature (3000K/4000K/6000K) located at the top of the downlight

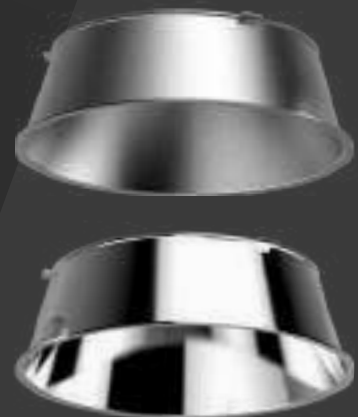
### Emergency ready

Compatible with the plug & play mains emergency module,



### Self-adhesive LED indicator Pad

This unique self-adhesive LED indicator pad is provided with the mains emergency module. It can be easily attached to the back of the bezel of the downlight.



### Optional Reflectors

Twist and Clip in Interchangeable reflectors available in silver and polished chrome

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- Mains Dimmable** Dimmable
- 150/200mm** Cut-out
- 1000V/2000V** Surge Protection (L to GND)

Recommended



Mains emergency P40 module

### General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.94
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel



# Napa

## IP44 LED commercial downlight with emergency option

- Integrated dimmable driver
- Switchable CCT (3000K/4000K/6000K)
- Compatible with Kosnic's mains emergency module
- Optional silver and polished chrome reflectors
- High lumen output
- Long life of 40,000h
- Low glare, UGR<22

- CCT switching
- Plug-in emergency
- Flicker free
- Modular design



Silver Reflector

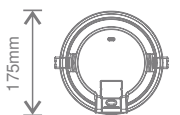
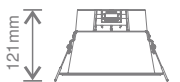


Polished Chrome Reflector

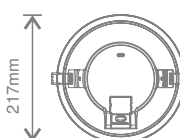
### Order Code

KCDL20FR44/SCT-WHT  
KCDL30FR44/SCT-WHT

### Dimensions



KCDL20FR44/SCT



KCDL30FR44/SCT

Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KCDL20FR44/SCT	20W	90°	150mm	Switchable*	1800lm(3000K) 2000lm(4000K) 2000lm(6000K)	£73.47
KCDL30FR44/SCT	30W	90°	200mm	Switchable*	2700lm(3000K) 3000lm(4000K) 3000lm(6000K)	£85.77

\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 6000K

### Optional Gear

Type	Order Code	Description	Trade Price
Emergency module	CEL03LIC/N	Three hour rated Li-Ion emergency module	£88.74

### Interchangeable Reflectors

Order Code	KPT-KCDL20REF-SLV	KPT-KCDL20REF-CHM	KPT-KCDL30REF-SLV	KPT-KCDL30REF-CHM
Trade Price	£11.95	£12.37	£14.82	£15.41

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer



A large, semi-transparent, light gray number '7' is centered on the page, serving as a background for the text.

Floodlight



Rhine 169



Ventas 172



Della 174



Vermillion 175



Thorpeak 176



Havasú 178



Vega 179



Accessories 180

# Rhine

LED flood light

- Diecast aluminium body
- Surge protection
- Slim profile
- 1m of H05RN-F 3 x 1mm<sup>2</sup> cable

**3** 3 Years Standard Warranty

**1000V** (10W,20W) Surge Protection (L to GND)

**2000V** (30W,50W) Surge Protection (L to GND)



Optional Connector  
KCWP3IN

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	30,000h
Power Factor	>0.90
Ambient Temp	-20°C to 40°C
Housing	Diecast aluminum



## Order Code

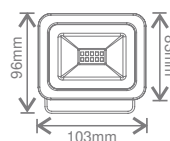
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KFLDHS20Q465-W65-BLK

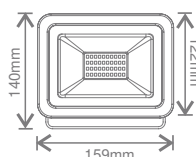
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KFLDHS50Q465-W65-BLK

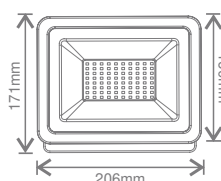
## Dimensions



KFLDHS10Q465



KFLDHS20Q465  
KFLDHS30Q465



KFLDHS50Q465



1m lead



Angled bracket for easy installation

Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLDHS10Q465	10W	110°	Black	3000K 4000K 6500K	<b>650lm</b> <b>750lm</b> <b>750lm</b>	<b>£17.94</b>
KFLDHS20Q465	20W	110°	Black	3000K 4000K 6500K	<b>1400lm</b> <b>1500lm</b> <b>1500lm</b>	<b>£29.55</b>
KFLDHS30Q465	30W	110°	Black	3000K 4000K 6500K	<b>2150lm</b> <b>2250lm</b> <b>2250lm</b>	<b>£32.30</b>
KFLDHS50Q465	50W	110°	Black	3000K 4000K 6500K	<b>3900lm</b> <b>4000lm</b> <b>4000lm</b>	<b>£49.46</b>

## Accessory

Type	Order Code	Description	Trade Price
Connector	KCWP3IN	IP67 In-line Connector	<b>£10.97</b>

**3** 3 Years  
Standard Warranty

**1000V** (10W,20W)  
Surge Protection  
(L to GND)

**2000V** (30W,50W)  
Surge Protection  
(L to GND)



Optional Connector  
KCWP3IN

**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 30,000h  
Power Factor >0.90  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminum



**Order Code**

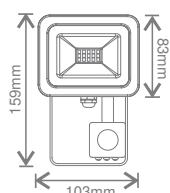
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KFLDHS20Q465/S-W65-BLK

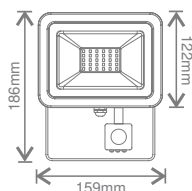
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KFLDHS30Q465/S-W40-BLK  
KFLDHS30Q465/S-W65-BLK

KFLDHS50Q465/S-W30-BLK  
KFLDHS50Q465/S-W40-BLK  
KFLDHS50Q465/S-W65-BLK

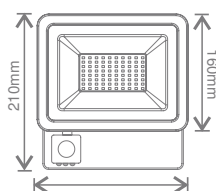
**Dimensions**



KFLDHS10Q465/S



KFLDHS20Q465/S  
KFLDHS30Q465/S



KFLDHS50Q465/S

# Rhine

LED flood light with PIR sensor

- Diecast aluminium body
- Adjustable PIR sensor
- Surge protection
- Slim profile
- 1m of H05RN-F 3 x 1mm<sup>2</sup> cable

Built-in motion sensor



Angled bracket for easy installation



OFF/ON twice within 2 seconds to override the PIR sensor

Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLDHS10Q465/S	10W	110°	Black	3000K	<b>650lm</b>	£32.51
				4000K	<b>750lm</b>	
				6500K	<b>750lm</b>	
KFLDHS20Q465/S	20W	110°	Black	3000K	<b>1400lm</b>	£44.34
				4000K	<b>1500lm</b>	
				6500K	<b>1500lm</b>	
KFLDHS30Q465/S	30W	110°	Black	3000K	<b>2150lm</b>	£46.89
				4000K	<b>2250lm</b>	
				6500K	<b>2250lm</b>	
KFLDHS50Q465/S	50W	110°	Black	3000K	<b>3900lm</b>	£63.68
				4000K	<b>4000lm</b>	
				6500K	<b>4000lm</b>	

**Accessory**

Type	Order Code	Description	Trade Price
Connector	KCWP3IN	IP67 In-line Connector	£10.97

# Ventas LED Floodlight

## LED Floodlight *with detachable sensor*

### Easy installation

The angled bracket and the lead length of 1m makes the installation quick and easy.



Angled bracket for easy installation



CCT switch located at the bottom

### Colour temperature switching

Easy to access switch to change the CCT to 3000K or 6500K on the 30W and 50W. Giving more choice in 1 product.

### Optional Gears

Easy plug and play sensors available with up to 8m detection range. Sensors available in a standard PIR, PIR with a remote control and a Dusk to Dawn sensor.



PIR sensor  
KPT-Q5-PS



PIR sensor with remote control  
KPT-Q5-RPS



Dusk to Dawn sensor  
KPT-Q5-DTD

**32**  
Combinations

**9**  
Product Lines

**3** Optional gears

- PIR sensor with remote control
- Standard PIR
- Dusk to Dawn Sensor

**4** Standard floodlights

- 10W available in 4000K & 6500K
- 20W available in 4000K & 6500K

**2** Floodlights with CCT switching

- 30W Switchable CCT of 3000K to 6500K
- 50W Switchable CCT of 3000K to 6500K

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

# Ventas

(10W, 20W, 30W, 50W)

LED flood light with detachable sensors

- Switchable CCT on 30W/50W (3000K/6500K)
- Plug & play PIR sensor with or without remote control
- Plug & play Dusk to Dawn sensor
- Leads length of 1 meter
- IP65 connector allowing external wiring

 CCT switching

 Plug-in on/off sensor

 Dusk to dawn sensor

 Modular design

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.90  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



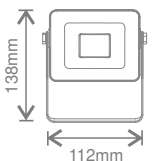
**IP65** 10W / 20W  
IP44 with sensor

**IP44** 30W / 50W

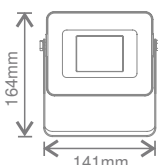
## Order Code

KFLD10Q565-W40  
KFLD10Q565-W65  
KFLD20Q565-W40  
KFLD20Q565-W65  
KFLD30Q544/SCT  
KFLD50Q544/SCT

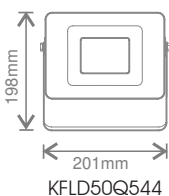
## Dimensions



KFLD10Q565  
KFLD20Q565



KFLD30Q544



KFLD50Q544



CCT switch located at the bottom



OFF/OFF twice within 2 seconds to override the PIR sensor



Angled bracket for easy installation



PIR sensor  
KPT-Q5-PS



PIR sensor with remote control  
KPT-Q5-RPS



Dusk to Dawn sensor  
KPT-Q5-DTD

Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLD10Q565	10W	110°	Black	4000K 6500K	<b>750lm</b> <b>800lm</b>	<b>£34.38</b>
KFLD20Q565	20W	110°	Black	4000K 6500K	<b>1500lm</b> <b>1550lm</b>	<b>£37.60</b>
KFLD30Q544/SCT	30W	110°	Black	Switchable*	<b>2100lm</b> (3000K) <b>2250lm</b> (6500K)	<b>£67.20</b>
KFLD50Q544/SCT	50W	110°	Black	Switchable*	<b>3850lm</b> (3000K) <b>4000lm</b> (6500K)	<b>£91.10</b>

\* When CCT switchable, colour temperature switches 3000K & 6500K

## Optional Gears

Order Code	Description	Trade Price
KPT-Q5B-PS	PIR sensor	<b>£17.27</b>
KPT-Q5B-RPS	PIR sensor with remote control	<b>£22.71</b>
KPT-Q5B-DTD	Dusk to Dawn Sensor	<b>£14.01</b>



## Eye Media Case study

Location: Copenhagen, Denmark

Solution: 200w + 100w Della floodlights

“We were impressed with the quality and lighting output of Kosnic Floodlights. The whole experience working with Encepa A/S and the support of Kosnic Lighting has been a pleasure, which we hope to continue”

– Eye Media

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)



Ceiling mount bracket  
P180



Optional Connector  
KCWP3IN

### General Specification

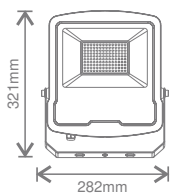
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.96  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminum



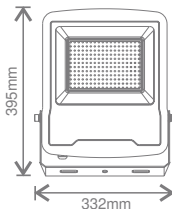
### Order Code

KFLDHS80Q65-W65-BLK  
KFLDHS100Q65-W65-BLK  
KFLDHS150Q65-W65-BLK  
KFLDHS200Q65-W65-BLK

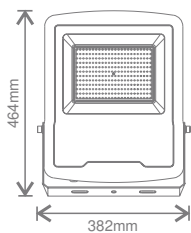
### Dimensions



KFLDHS80Q65  
KFLDHS100Q65



KFLDHS150Q65



KFLDHS200Q65

# Della

(80W, 100W, 150W, 200W)

High power LED flood light

- Diecast aluminium body
- Long life of 40,000hrs
- Surge protection
- 1m of H05RN-F 3 x 1.0mm<sup>2</sup> cable



Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLDHS80Q65	80W	110°	Black	6500K	<b>8000lm</b>	<b>£134.68</b>
KFLDHS100Q65	100W	110°	Black	6500K	<b>9000lm</b>	<b>£137.88</b>
KFLDHS150Q65	150W	110°	Black	6500K	<b>15500lm</b>	<b>£263.10</b>
KFLDHS200Q65	200W	110°	Black	6500K	<b>20000lm</b>	<b>£324.33</b>

### Accessory

Type	Order Code	Description	Trade Price
Connector	KCWP3IN	IP67 In-line Connector	<b>£10.97</b>



SPEC LINE

# Vermillion

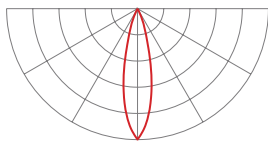
High-power LED high mast floodlight

- Modular construction allows each module to be angled independently
- High efficiency of 160lm/W
  - IP66, IK09
  - High power 300W-1200W
- Multiple options for optics including asymmetric options

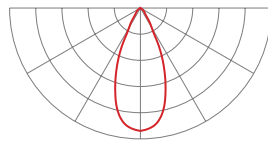
Flicker free



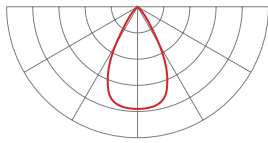
Ultra high efficiency



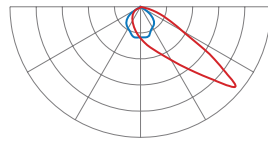
20°



40°



60°



Asymmetric 50°

Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLD300Q966	300W	20° / 40° / 60° Asymmetric 50°	Grey	5000K	48000lm	£976.01
KFLD600Q966	600W	20° / 40° / 60° Asymmetric 50°	Grey	5000K	96000lm	£1732.41
KFLD900Q966	900W	20° / 40° / 60° Asymmetric 50°	Grey	5000K	144000lm	£2517.44
KFLD1200Q966	1200W	20° / 40° / 60° Asymmetric 50°	Grey	5000K	192000lm	£3361.76

1-10V (standard) DALI / Photocell / DMX512 as special order

- 5** Years Standard Warranty
- 7** Years Extended Warranty
- 10000V** Surge Protection (L to GND)
- 100-277V** Input voltage

### General Specification

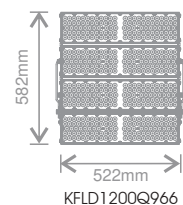
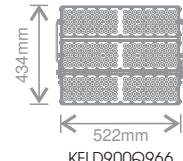
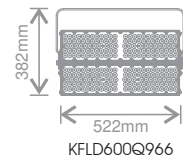
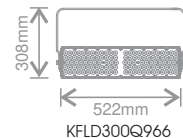
Voltage	100-277Vac 50-60Hz
CRI	>70
Life Time	54,000h
Power Factor	0.96
Ambient Temp	-30°C to 45°C
Housing	Power coated aluminum



### Order Code

- KFLD300Q966-B50
- KFLD300Q966-S50
- KFLD300Q966-F50
- KFLD300Q966-A50
- KFLD600Q966-B50
- KFLD600Q966-S50
- KFLD600Q966-F50
- KFLD600Q966-A50
- KFLD900Q966-B50
- KFLD900Q966-S50
- KFLD900Q966-F50
- KFLD900Q966-A50
- KFLD1200Q966-B50
- KFLD1200Q966-S50
- KFLD1200Q966-F50
- KFLD1200Q966-A50

### Dimensions



- 5** Years Standard Warranty
- 7** Years Extended Warranty
- 10000V** Surge Protection (L to GND)
- 100-240V** Input voltage

# Thorpeak SPEC LINE

Premium high-power LED high mast floodlight

- IP66, IK08
- High power up to 1200W
- Efficiency up to 140lm/W
- Modular spacing allows for enhanced heat dissipation
- Available in various wattage and illumination pattern choices
- Drivers are provided for remote installation

 Flicker free

 Ultra high efficiency

### General Specification

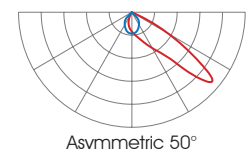
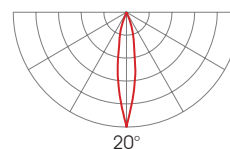
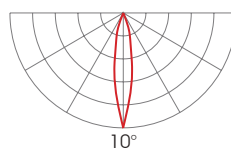
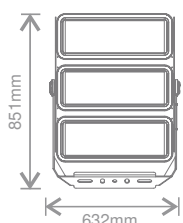
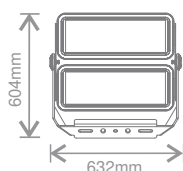
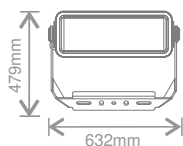
Voltage 100-240Vac  
50-60Hz  
CRI > 70  
Life Time 54,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Powder coated  
Die-cast



### Order Code

- KFLD300-400Q766-B150  
KFLD300-400Q766-B250  
KFLD300-400Q766-A50
- KFLD600-800Q766-B150  
KFLD600-800Q766-B250  
KFLD600-800Q766-A50
- KFLD1000-1200Q766-B150  
KFLD1000-1200Q766-B250  
KFLD1000-1200Q766-A50
- KFLD300Q7-BB  
KFLD400Q7-BB  
KFLD600Q7-BB  
KFLD800Q7-BB  
KFLD1000Q7-BB  
KFLD1200Q7-BB

### Dimensions



### Lighting Unit (Must be ordered with corresponding driver pack)

Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLD300-400Q766	300W 400W	10° / 20° / Asymmetric 50°	Grey	5000K	<b>42000lm</b> <b>56000lm</b>	<b>£1892.54</b>
KFLD600-800Q766	600W 800W	10° / 20° / Asymmetric 50°	Grey	5000K	<b>84000lm</b> <b>112000lm</b>	<b>£3207.29</b>
KFLD1000-1200Q766	1000W 1200W	10° / 20° / Asymmetric 50°	Grey	5000K	<b>140000lm</b> <b>168000lm</b>	<b>£4383.66</b>

### Driver Pack (Must be ordered with corresponding lighting unit)

Order Code	Description	Trade Price
KFLD300Q7-BB	Including 2x150W 1-10V Dimmable Drivers	<b>£435.69</b>
KFLD400Q7-BB	Including 2x200W 1-10V Dimmable Drivers	<b>£494.77</b>
KFLD600Q7-BB	Including 4x150W 1-10V Dimmable Drivers	<b>£873.33</b>
KFLD800Q7-BB	Including 4x200W 1-10V Dimmable Drivers	<b>£995.03</b>
KFLD1000Q7-BB	Including 6x200W 1-10V Dimmable Drivers	<b>£1387.01</b>
KFLD1200Q7-BB	Including 6x200W 1-10V Dimmable Drivers	<b>£1387.01</b>

1-10V (standard) DALI / DMX512 as special order

# Havasu Premium Flood Light

## Multi-Watt setting *with various optic options*

### Die-cast Folding Clips

The hinged front tempered glass is securely locked to the fitting using die-cast folding clips.

### Super High Efficient (150lm/W)

Uses LUMILED High Efficient 5050 LED chips

### Various Optic Options

This range of flood light offers a wide range of optic lens, including the popular asymmetric 50°

### Premium LED driver

Inventronics EUM range IP67 LED driver

### Multi-Watt Setting

The wattage of the flood light can be set using the dip switches

KFLD80-150Q666



80W



100W



120W



150W

KFLD200-240Q666



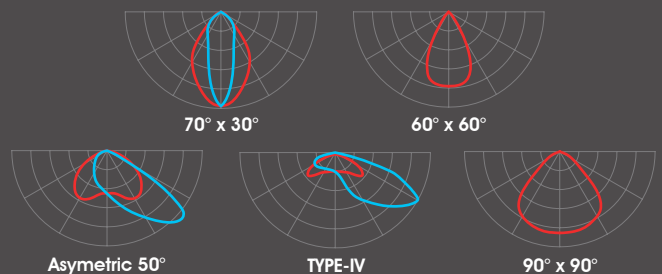
200W



240W

### Photometrics

6 options of optic lens to suit different lighting applications



- 5** Years Standard Warranty
- 7** Years Extended Warranty
- 6000V** Surge Protection (L to GND)
- 100-277V** Input voltage

# Havasu

(80W, 100W, 120W, 150W) (200W, 240W)

Premium high-power LED floodlight with wattage switching

- Switchable wattage
- High Power, from 80W to 240W
- Efficiency of 150lm/W
- Multiple options for optics including asymmetric options
- IP66, IK08

**Wattage switching**

**Flicker free**

**Ultra high efficiency**

### General Specification

Voltage 100-277Vac  
50-60Hz  
CRI >80  
Life Time 54,000h  
Power Factor 0.98  
Ambient Temp -30°C to 45°C  
Housing Diecast aluminum

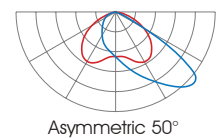
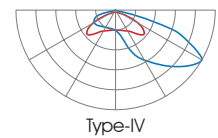
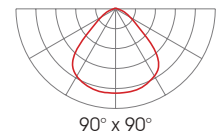
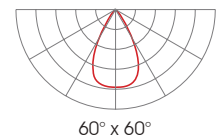
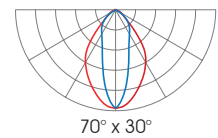
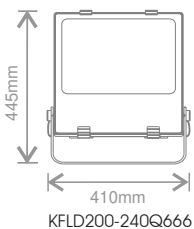
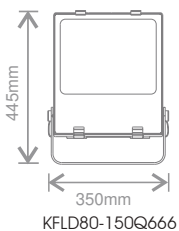


### Order Code

KFLD80-150Q666-S50  
KFLD80-150Q666-F50  
KFLD80-150Q666-W50  
KFLD80-150Q666-A150  
KFLD80-150Q666-A250

KFLD200-240Q666-S50  
KFLD200-240Q666-F50  
KFLD200-240Q666-W50  
KFLD200-240Q666-A150  
KFLD200-240Q666-A250

### Dimensions



Order Code	Default Power	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KFLD80-150Q666	-	80W	70° x 30°	Black	5000K	<b>12000lm</b>	<b>£564.22</b>
	-	100W	60° x 60°			<b>15000lm</b>	
	-	120W	90° x 90°			<b>18000lm</b>	
	-	150W	Type IV			<b>22500lm</b>	
	-	-	Asymmetric 50°			<b>22500lm</b>	
KFLD200-240Q666	-	200W	70° x 30°	Black	5000K	<b>30000lm</b>	<b>£667.87</b>
	-	240W	60° x 60°			<b>36000lm</b>	
	-	-	90° x 90°			<b>36000lm</b>	
	-	-	Type IV			<b>36000lm</b>	
	-	-	Asymmetric 50°			<b>36000lm</b>	

**NEW** Available May 2021  
**Vega**  
 (300lm, 700lm, 1100lm)

Solar powered commercial flood light

Built-in motion sensor 

Dusk to dawn sensor 

- Provided with high output monocrystalline silicon solar panel
  - High efficiency upto 170lm/W
- Dusk to dawn / microwave sensor option
- Easy installation with no mains wiring required



Solar panel (included)



Remote Control (included)

Order Code	Lumen	Beam Angle	Finish	CCT	Battery Capacity	Trade Price
KSFLD30Q65	<b>300lm</b>	90°	Grey	6000K	4400mAh	<b>£134.40</b>
KSFLD70Q65	<b>700lm</b>	90°	Grey	6000K	10000mAh	<b>£169.62</b>
KSFLD110Q65	<b>1100lm</b>	90°	Grey	6000K	20000mAh	<b>£225.99</b>

**Batteries**

Order Code	Type	Capacity	Voltage	Trade Price
LIB186502-C22	Li-ion	4400mAh	3.7V	<b>£14.61</b>
LFP326502-C50	LiFePO4	10000mAh	3.2V	<b>£24.25</b>
LFP326504-C50	LiFePO4	20000mAh	3.2V	<b>£45.07</b>

- 3** 3 Years Standard Warranty
- 5** 5 Years Extended Warranty

**General Specification**

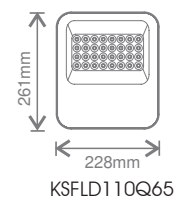
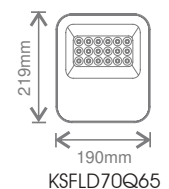
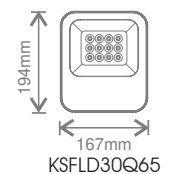
CRI	>80
Life Time	50,000h
Power Factor	1.0
Ambient Temp	-10°C to 45°C
Housing	Aluminium Alloy
Solar panel	Polysilicon
Operation Time	3h/5h 8h/12h
Charging Time	8h
Battery Voltage	3.7V(Li-ion) 3.2V(LiFePO4)
Battery Life	4 Years



**Order Code**

KSFLD30Q65-GRY  
 KSFLD70Q65-GRY  
 KSFLD110Q65-GRY

**Dimensions**



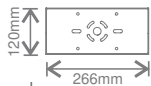
# Fixing Accessories

- BESA box fitting points for ceiling mount bracket

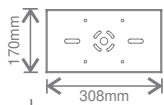
### Order Code

- KPT-CBKA-FLD
- KPT-CBKB-FLD
- KPT-CBKC-FLD
- KPT-SUP-FLD
- KPT-SPK-FLD

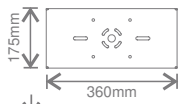
### Dimensions



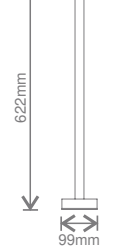
KPT-CBKA-FLD



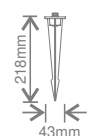
KPT-CBKB-FLD



KPT-CBKC-FLD



KPT-SUP-FLD



KPT-SPK-FLD



▲ Ceiling mount bracket  
KPT-CBKA-FLD



▲ Supporting arm  
KPT-SUP-FLD



▲ Spike  
KPT-SPK-FLD

Type	Order Code	Description	Trade Price
Ceiling-mount bracket	KPT-CBKA-FLD	Ceiling mount bracket for 80W/100W floodlight	£35.46
Ceiling-mount bracket	KPT-CBKB-FLD	Ceiling mount bracket for 150W floodlight	£46.78
Ceiling-mount bracket	KPT-CBKC-FLD	Ceiling mount bracket for 200W floodlight	£49.87
Support	KPT-SUP-FLD	Supporting arm for floodlight, max 50W	£39.32
Spike	KPT-SPK-FLD	Spike for floodlight, max 50W	£2.60



Street Light



Nix

183



Luna

184



SPEC LINE

Nix

High power LED streetlight

- IP65 & IK10 protection
- Whole structure heat dissipation
- Ready for connection of photocell sensor
- Dual mounting positions Post-top & side-entry with  $\pm 15^\circ$  inclination in steps of  $3^\circ$ 
  - Efficiency of 130lm/W
- Day light 5000K colour temperature

Plug-in photocell sensor 

Ultra high efficiency 

LED  
LUMILEDS

Driver  
PHILIPS



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**10000V**  
Surge Protection



General Specification

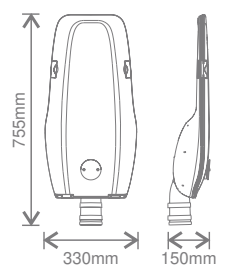
Voltage	220-240Vac 50-60Hz
CRI	>70
Life Time	40,000h
Power Factor	0.98
Ambient Temp	-40°C to 50°C
Housing	Diecast aluminum



Order Code

KSTL80HH2-W50-GRY  
KSTL120HH2-W50-GRY

Dimensions



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KSTL80HH2	80W	Axial 160° Transverse 120°	5000K	<b>11440lm</b>	<b>£1311.62</b>
KSTL120HH2	120W	Axial 160° Transverse 120°	5000K	<b>15600lm</b>	<b>£1341.40</b>

**5** 5 Years  
Standard Warranty**7** 7 Years  
Extended Warranty**10000V**  
Surge Protection  
(L to GND)**110-240V**  
Input voltage

# Luna

## LED street light for public areas

- Suitable for pole mounting (42±2 or 60±5mm pole)
- IP67 & IK10 rated
- Efficiency of 112lm/W
- Day light 5000K colour temperature
- Option of photocell sensor
- Whole structure heat dissipation

 Built-in photocell sensor

 Ultra high efficiency

### General Specification

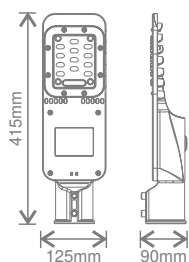
Voltage	100-240Vac 50-60Hz
CRI	>70
Life Time	40,000h
Power Factor	0.95
Ambient Temp	-40°C to 50°C
Housing	Diecast aluminum
Connection	650 mm H05RN-F 3 x 1.0 mm <sup>2</sup>



### Order Code

KSTL40LH1-W50-WHT  
KSTL40LH1/S-W50-WHT

### Dimensions



Order Code	Type	Power	Beam Angle	CCT	Lumen	Trade Price
KSTL40LH1	Standard	40W	Axial 175° Transverse 85°	5000K	5000lm	£235.27
KSTL40LH1/S	Sensor	40W	Axial 175° Transverse 85°	5000K	5000lm	£242.55



High Bay  
&  
Low Bay



Arcus II 187



Arcus-Compact 188



Cumulus 189



Nimbus III 191



Echo 193



Echo II 194



Nimbus-DOB II 196



Fractus 198







Nimbo 199



# Arcus II

LED low bay with emergency and sensor option

- Built-in emergency 
- Plug-in corridor sensor 
- Modular design 
- Ultra high efficiency 

- High efficiency upto 140lm/W
- Optional emergency version
- Optional microwave sensor with stand-by dimming and daylight threshold
- Conduit, trunking or surface mounting
- BESA box fitting points

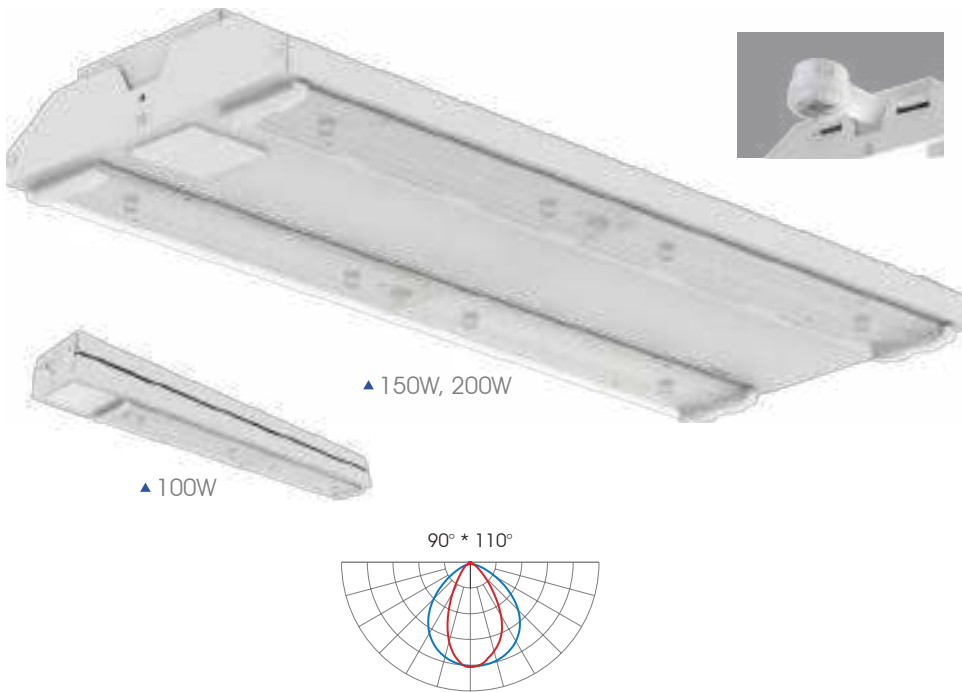
- 5** Years Standard Warranty
- 7** Years Extended Warranty
- 10000V** Surge Protection (L to GND)



Microwave Sensor (Mounting height ≤12m)  
KLBAL1-MWS



Microwave Sensor (Mounting height ≤8.5m)  
KBTNLS1-MWS2



▲ 150W, 200W

▲ 100W

90° \* 110°

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>83
Life Time	40,000h
Power Factor	0.96
Ambient Temp	-20°C to 40°C
Housing	Zinc coated sheet steel



## Order Code

- KLBA100L1-W65
- KLBA100L1/E-W65
- KLBA150L1-W65
- KLBA150L1/E-W65
- KLBA200L1-W65
- KLBA200L1/E-W65

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KLBA100L1	100W	90°x110°	6500K	<b>12000lm</b>	<b>£256.40</b>
KLBA150L1	150W	90°x110°	6500K	<b>18500lm</b>	<b>£381.34</b>
KLBA200L1	200W	90°x110°	6500K	<b>28000lm</b>	<b>£376.23</b>

## Emergency Option

Suffix	Description	Trade Price
/E	With integrated emergency module	<b>+£193.81</b>

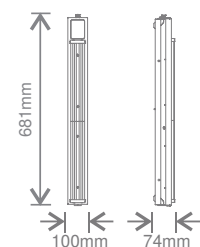
## Batteries

Order Code	Type	Capacity	Voltage	Trade Price
LFP7304-S20 (100W)	LiFePO4	4000mAh	6.4V	<b>£34.02</b>
KBAT5200L1 (150W, 200W)	Li-ion	5200mAh	10.8V	<b>£114.62</b>

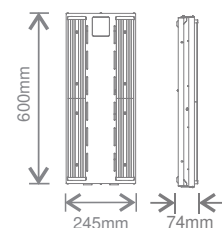
## Optional Gears

Type	Order Code	Description	Trade Price
Sensor	KLBAL1-MWS	Microwave motion sensor (user installed)	<b>£58.21</b>
Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor (user installed)	<b>£25.06</b>

## Dimensions



KLBA100L1



KLBA150L1  
KLBA200L1

**5** 5 Years  
Standard Warranty

**2000V**  
Surge Protection  
(L to GND)



Microwave Sensor  
(Mounting height ≤8.5m)  
KBTNLS1-MWS2

# Arcus-Compact

Compact LED low bay with diffuser

- Slim profile
- Microwave sensor option
- BESA box fitting points

Plug-in corridor sensor

Modular design

Ultra high efficiency

## General Specification

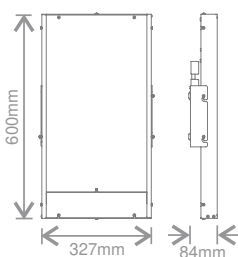
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.95  
Ambient Temp -20°C to 40°C  
Housing Zinc coated sheet steel



## Order Code

KMSD100LLBE-W65-WHT  
KLBC150D1-W65

## Dimensions



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KMSD100LLBE	100W	120°	6500K	<b>11500lm</b>	<b>£368.15</b>
KLBC150D1	150W	90°	6500K	<b>19500lm</b>	<b>£407.68</b>

## Optional Gear

Type	Order Code	Description	Trade Price
Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor	<b>£25.06</b>

Plug-in emergency 

Plug-in corridor sensor 

Flicker free 

Modular design 

Ultra high efficiency 

# Cumulus

Modular linear LED low bay & architecture flood light

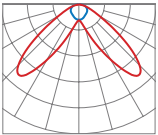
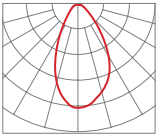
- Modular design with extendable LED lighting module
  - High efficiency upto 160lm/W
  - Surface and suspended mounting
- Can be used as exterior architecture flood light
  - IP65 and vandal resistant IK10



LED  
**LUMILEDS**

Driver  
**MW MEANWELL**

LED Low bay  
Suspended mounting



Architecture flood light  
Surface mounting with brackets

**5** Years  
Standard Warranty

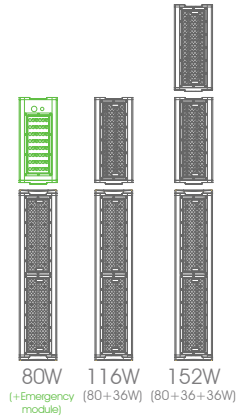
**7** Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

**100-240V**  
Input voltage



Assembly  
with clip-on extensions



## General Specification

Voltage	100-240Vac
	50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 40°C
Housing	Aluminium

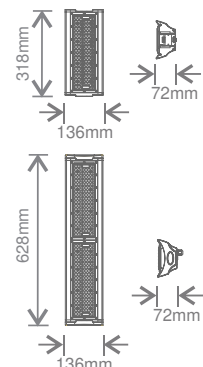


## Order Code

KLBC80L1-W50  
KLBC80L1-P50

KLBC36L1-W50  
KLBC36L1-P50

## Dimensions



Order Code	Type	Power	Beam Angle	CCT	Lumen	Trade Price
KLBC80L1	Main Unit	80W	90° Polarized	5000K	<b>12800lm</b>	<b>£408.48</b>
KLBC36L1	Extension Unit	36W	90° Polarized	5000K	<b>5760lm</b>	<b>£134.61</b>

## Optional Gears

Type	Order Code	Description	Trade Price
Sensor*	KPT-KHBNC1-MWS1*	IP65 Microwave motion sensor	<b>£176.20</b>
Emergency Module*	KPT-KLBCLC-EME*	Emergency module extension	<b>£385.35</b>

## Accessories

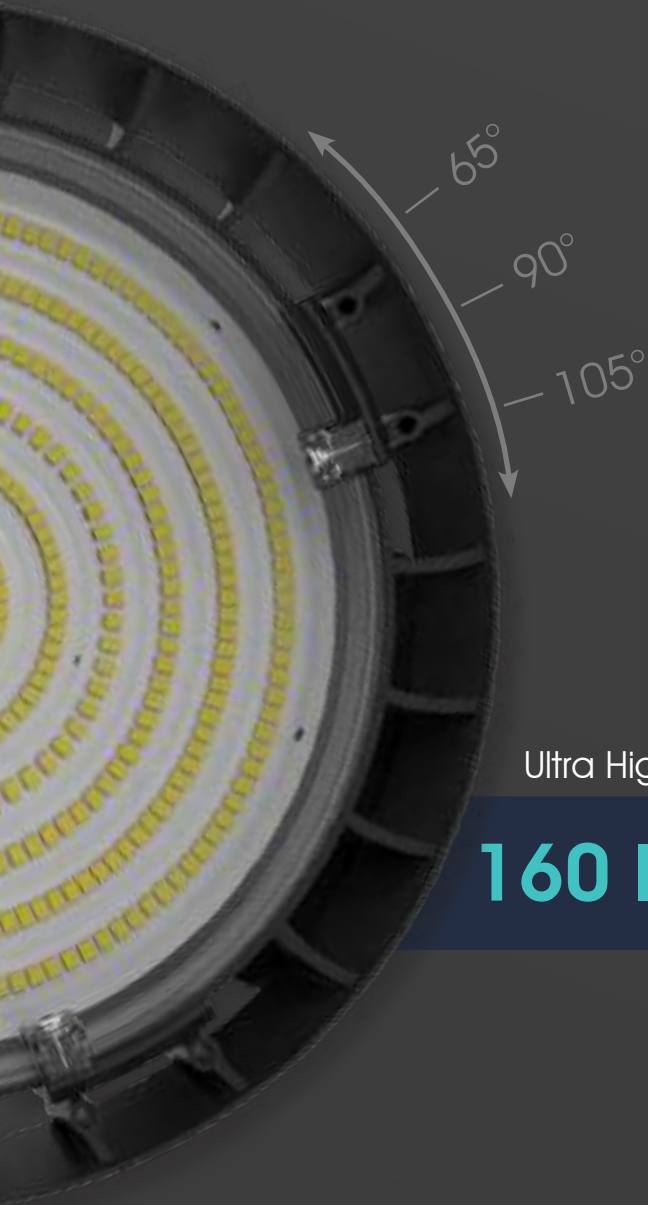
Type	Order Code	Description	Trade Price
Remote Control*	KPT-MWS-CON*	For remotely altering sensor settings or manual override	<b>£54.57</b>
Bracket	KPT-KLBCL1-B1	Tilting surface mount bracket	<b>£26.47</b>

\*On site commissioning available upon request

# Nimbus III LED Highbay

## Premium LED High-Bay with **Adjustable beam angle**

Turn the front optical lens clockwise to change beam angle



Ultra High Efficiency

**160 lm/W**



When the luminaire is suspended mounted, the wiring tray is located between the chain and the luminaire as illustrated in the diagram above. The wiring between the sensor and the 1-10V driver is pre-arranged inside the junction box. The user only needs to connect the power leads and 1-10V cable at the output of the junction box to the luminaire, then connect the external power leads to the junction box.



When being surface mounted whether it is onto a ceiling or trunking, there are suitable fixing holes on the wiring tray.

The wiring tray is included with the sensor unit.

## **Pushwire Connector**

Water proof push-wire terminals for both 1-10V dimming and mains power connections.





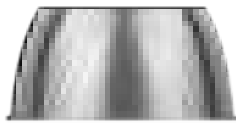
Upgrade  
May 2021  
Emergency

# Nimbus III

Premium LED circular high bay with emergency option

- Adjustable beam angle 65°, 90° or 105°
  - Water-proof push-wire connector
    - IP65 vandal resistant (IK10)
- 1-10V dimmable with emergency option
  - High Efficiency up to 160m/W
- Optional remote-control microwave sensor with stand-by dimming and daylight threshold
  - Die-cast aluminium body

- Built-in emergency
- Plug-in corridor sensor
- Flicker free
- Battery warranty **4** YEAR
- Modular design
- Ultra high efficiency



▲ PC Shade  
KPT-KHBNC1-S1



▲ PC Shade  
KPT-KHBNC1-S4



▲ PC Lid  
KPT-KHBNC1-D1



▲ Aluminium Shade  
KPT-KHBNC1-S5



▲ Aluminium Shade  
KPT-KHBNC1-S2



▲ PC Shade  
KPT-KHBNC1-S3



Remote Control



KHBN120C1/DV  
KHBN160C1/DV  
(with emergency module)

KHBN210C1/DV  
(with emergency module)



KHBN120C1/DV  
KHBN160C1/DV  
(with sensor)



KHBN210C1/DV  
(with sensor)



KHBN200C1/E/DV  
KHBN240C1/E/DV



Aluminium Shade  
with sensor

## Nimbus III

Order Code	Type	Power	Beam Angle*	CCT	Lumen	Trade Price
KHBN120C1/DV	Dimmable	120W	65° 90°/105°	5000K	<b>17500lm</b> <b>19200lm</b>	<b>£394.61</b>
KHBN160C1/DV	Dimmable	160W	65° 90°/105°	5000K	<b>23200lm</b> <b>25600lm</b>	<b>£402.70</b>
KHBN210C1/DV	Dimmable	210W	90°	5000K	<b>33600lm</b>	<b>£633.03</b>

\* Variable beam angle by lens rotation (65/90/105°)

## General Specification

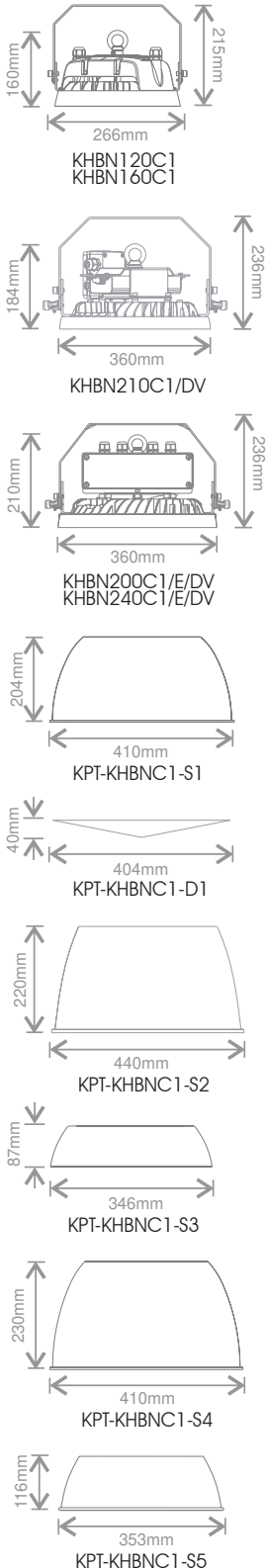
Voltage	100-240Vac 50-60Hz
CRI	>80
Life Time	54,000h
Power Factor	0.95
Ambient Temp	-25°C to 50°C
Housing	Diecast aluminum



**Order Code**

KHBN120C1/DV-V50  
 KHBN160C1/DV-V50  
 KHBN210C1/DV-W50  
 KHBN120C1/E/DV-V50  
 KHBN160C1/E/DV-V50  
 KHBN210C1/E/DV-W50  
 KHBN200C1/E/DV-W50  
 KHBN240C1/E/DV-W50

**Dimensions**



**Nimbus III Emergency**

Order Code	Type	Power	Beam Angle	CCT	Lumen	Trade Price
KHBN120C1/E/DV	Dimmable	120W	65° 90°/105°	5000K	<b>17500lm</b> <b>19200lm</b>	<b>£829.97</b>
KHBN160C1/E/DV	Dimmable	160W	65° 90°/105°	5000K	<b>23200lm</b> <b>25600lm</b>	<b>£838.45</b>
KHBN210C1/E/DV	Dimmable	210W	90°	5000K	<b>33600lm</b>	<b>£906.08</b>

**Nimbus II Emergency**

Order Code	Type	Power	Beam Angle	CCT	Lumen	Trade Price
KHBN200C1/E/DV	Dimmable	200W	90°	5000K	<b>28000lm</b>	<b>£884.20</b>
KHBN240C1/E/DV	Dimmable	240W	90°	5000K	<b>33600lm</b>	<b>£937.24</b>

**Optional Gears**

Type	Order Code	Description	Trade Price
Sensor	KPT-KHBNC1-MWS1*	IP65 Microwave motion sensor for KHBN120C1, KHBN160C1	<b>£176.20</b>
Sensor	KPT-KHBNC1-MWS*	IP65 Microwave motion sensor for KHBN210C1, KHBN200C1, KHBN240C1	<b>£130.22</b>

**Accessories**

Type	Order Code	Description	Trade Price
Remote Control	KPT-MWS-CON*	For remotely altering sensor settings or manual override	<b>£54.57</b>
Bracket	KPT-KHBNC1-B2	Tilting surface mount bracket for KHBN210C1, KHBN200C1, KHBN240C1	<b>£41.79</b>
Bracket	KPT-KHBNC1-B3	Tilting surface mount bracket for KHBN120C1, KHBN160C1	<b>£33.13</b>
PC Shade	KPT-KHBNC1-S1	Translucent shade Ø410x204mm for KHBN210C1, KHBN200C1, KHBN240C1	<b>£122.75</b>
Aluminium Shade	KPT-KHBNC1-S2	Opaque shade Ø440x220mm for KHBN210C1, KHBN200C1, KHBN240C1	<b>£117.19</b>
PC Shade	KPT-KHBNC1-S3	Opal shade Ø346x87mm for KHBN120C1, KHBN160C1	<b>£38.22</b>
PC Shade	KPT-KHBNC1-S4	Translucent shade Ø410x230mm for KHBN120C1, KHBN160C1	<b>£104.87</b>
Aluminium Shade	KPT-KHBNC1-S5	Opaque shade Ø353x116mm for KHBN120C1, KHBN160C1	<b>£42.06</b>
PC Lid	KPT-KHBNC1-D1	Translucent bottom enclosure Ø404x40mm for KPT-KHBNC1-S1, KPT-KHBNC1-S4	<b>£48.23</b>

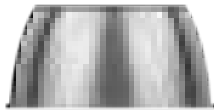
\*On site commissioning available upon request

# Echo

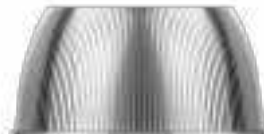
LED circular high bay with PC reflector

Ultra high efficiency 

- High Efficiency of 130lm/W
- Diecast aluminium body
- IP65
- Vandal resistant (IK08)
- 1.5m of H05RN-F 3 x 1mm<sup>2</sup> cable provided
- Optional reflectors for all models



PC Shade  
◀ KPT-KHBEC1-S1



PC Shade  
◀ KPT-KHBEC1-S2



Aluminium Shade  
◀ KPT-KHBEC1-S3



PC Lid  
◀ KPT-KHBNC1-D1

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KHBE100C1	100W	90°	5000K	<b>13000lm</b>	<b>£231.72</b>
KHBE150C1	150W	90°	5000K	<b>19500lm</b>	<b>£281.87</b>
KHBE200C1	200W	90°	5000K	<b>26000lm</b>	<b>£340.55</b>

## Accessories

Type	Order Code	Description	Trade Price
PC Shade	KPT-KHBEC1-S1	Translucent shade Ø312x125mm for KHBE100C1	<b>£47.38</b>
PC Shade	KPT-KHBEC1-S2	Translucent shade Ø411x158mm for KHBE150C1, KHBE200C1	<b>£61.17</b>
Aluminium Shade	KPT-KHBEC1-S3	Opaque shade Ø404x138mm for KHBE150C1, KHBE200C1	<b>£42.74</b>
PC Lid	KPT-KHBNC1-D1	Translucent bottom enclosure Ø404x40mm for KPT-KHBEC1-S2	<b>£48.23</b>
Connector	KCWP3IN-SPD	Waterproof junction box with surge protection function	<b>£39.63</b>
Connector	KCWP3IN	IP67 In-line Connector	<b>£10.97</b>

**3** Years  
Standard Warranty

**5** Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)

**100-240V**  
Input voltage



Surge Protection Connector  
KCWP3IN-SPD



Optional Connector  
KCWP3IN

## General Specification

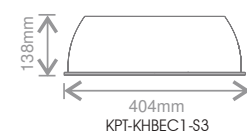
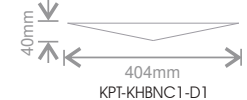
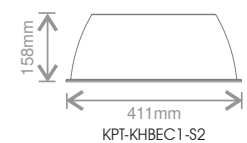
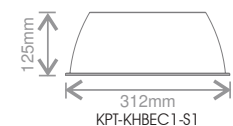
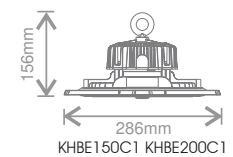
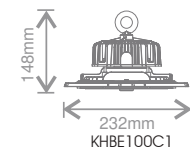
Voltage	100-240Vac 50-60Hz
CRI	> 70
Life Time	40,000h
Power Factor	0.95
Ambient Temp	-20°C to 40°C
Housing	Diecast aluminum



## Order Code

KHBE100C1-W50  
KHBE150C1-W50  
KHBE200C1-W50

## Dimensions



Upgrade  
Mar 2021

# Echo II

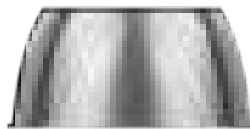
LED circular high bay with PC reflector

Ultra high efficiency 

- High Efficiency of 145lm/W
- Diecast aluminium body
  - IP65
  - Vandal resistant (IK08)
- 1.5m of H05RN-F 3 x 1mm<sup>2</sup> cable provided
- Optional reflectors for all models



PC Shade  
◀ KPT-KHBEC1-S6



PC Shade  
◀ KPT-KHBEC1-S2



Aluminium Shade  
◀ KPT-KHBEC1-S3



PC Lid  
◀ KPT-KHBNC1-D1

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KHBE100C2	100W	90°	5000K	<b>14500lm</b>	<b>£250.72</b>
KHBE150C2	150W	90°	5000K	<b>21750lm</b>	<b>£307.91</b>
KHBE200C2	200W	90°	5000K	<b>29000lm</b>	<b>£348.62</b>

## Accessories

Type	Order Code	Description	Trade Price
PC Shade	KPT-KHBEC1-S6	Translucent shade Ø414x98mm for KHBE100C2	<b>£45.64</b>
PC Shade	KPT-KHBEC1-S2	Translucent shade Ø411x158mm for KHBE150C2, KHBE200C2	<b>£61.17</b>
Aluminium Shade	KPT-KHBEC1-S3	Opaque shade Ø404x138mm for KHBE150C2, KHBE200C2	<b>£42.74</b>
PC Lid	KPT-KHBNC1-D1	Translucent bottom enclosure Ø404x40mm for KPT-KHBEC1-S2	<b>£48.23</b>
Connector	KCWP3IN	IP67 In-line Connector	<b>£10.97</b>

**3** Years  
Standard Warranty

**5** Years  
Extended Warranty

**4000V**  
Surge Protection  
(L to GND)

**100-240V**  
Input voltage



Optional Connector  
KCWP3IN

## General Specification

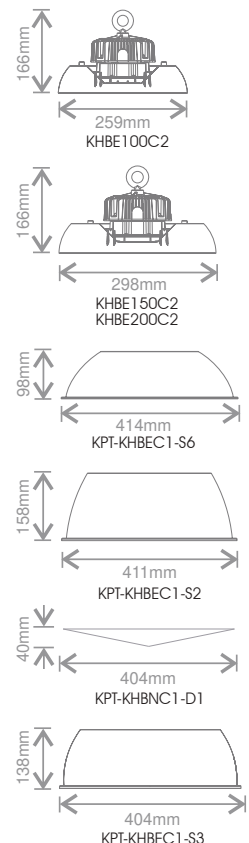
Voltage	100-240Vac 50-60Hz
CRI	>70
Life Time	40,000h
Power Factor	>0.96
Ambient Temp	-20°C to 40°C
Housing	Diecast aluminum



## Order Code

KHBE100C2-W50  
KHBE150C2-W50  
KHBE200C2-W50

## Dimensions





Kosnic replaces inefficient traditional Son and Metal Halide gas lamps with the more reliable and modern LED alternative. Improving the light output and reducing energy costs dramatically.

### **Juratek**

Location: Doncaster

Solution: 200W Echo LED circular High Bays and High Power Della Floodlights.

# Nimbus-DOB II

LED circular high bay with DOB technology

- DOB (driver on board) technology
- IP65
- Longlife of 70,000hrs
- 20,000V surge protection

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**⚡** 20000V  
Surge Protection



## General Specification

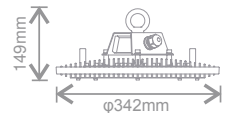
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	0.99
Ambient Temp	-20°C to 40°C
Housing	Diecast aluminum



## Order Code

KHBD130N1-W50

## Dimensions



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KHBD130N1	130W	120°	5000K	<b>14000lm</b>	<b>£279.55</b>



Compliments to Kosnic Lighting with the quality of lights installed it now creates a better working environment. The light output and clarity makes the inspection tests easier and our staff can now pick up on details of the caravans a lot better. Very impressed with the quality and light level of all the Kosnic Products used

– Tony Maundrill Projects manager (ABI)

### **ABI Caravans case study**

Location: ABI caravans, Beverley, Yorkshire

Solution: Nimbus high-bay, Niva batten, Orda twin-spot emergency fitting, Manot emergency exit sign

SPEC LINE

# Fractus

Switchable 120W/150W IP65 LED High Bay Luminaire

Wattage switching



Flicker free



Ultra high efficiency



- Switchable wattage of 120W or 150W
  - 20% Uplighting
  - IP65 & IK10
- Efficiency up to 137lm/W
- Day light 5000K colour temperature
- Fixing loop for suspended mounting
  - Long life of 50,000h



Black

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**4000V** Surge Protection (L to GND)

**110-240** 110-240V Input voltage



White



YouTube

Fractus Introduction - Scan QR code to watch video

### General Specification

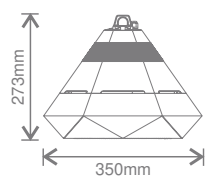
Voltage 110-240Vac  
50-60Hz  
CRI >80  
Life Time 50,000h  
Power Factor 0.95  
Ambient Temp -40°C to 45°C  
Housing Diecast aluminium



### Order Code

KMHD150FHB-W50-BLK  
KMHD150FHB-W50-WHT

### Dimensions



Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KMHD150FHB	Switchable 120W / 150W	85°	Black White	5000K	Switchable 16500lm / 20450lm	£585.20



**5** 5 Years  
Standard Warranty

# Nimbo

High Bay Luminaire for E27/E40 High Power LED lamps

Recommended lamps



Petal ↪ P260



Doughnut ↪ P261



Optional Connector  
KCWP3IN

### General Specification

Voltage 220-240Vac  
50-60Hz

Connection 1m of  
H05RN-F 2 x 1mm<sup>2</sup>

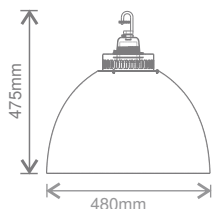
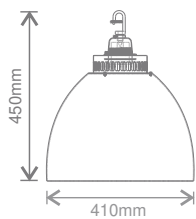


### Order Code

KHBF1E27

KHBF1E40

### Dimensions



- Choices of E27 or E40 lampholder
- 16" and 19" PMMA Clear shades available
- Suspension installation



### Luminaire Body

Order Code	Power	Lampholder	Trade Price
KHBF1E27	250 W LED (Max)	E27	<b>£59.60</b>
KHBF1E40	250 W LED (Max)	E40	<b>£46.64</b>

### Lamp Shade

Type	Order Code	Description	Trade Price
PMMA Shade	KHBF1S16	Translucent shade Ø410x450mm (16")	<b>£69.20</b>
PMMA Shade	KHBF1S19	Translucent shade Ø480x475mm (19")	<b>£94.03</b>

### Accessory

Type	Order Code	Description	Trade Price
Connector	KCWP3IN	IP67 In-line Connector	<b>£10.97</b>

# Amenity

## Exterior Luminaire



Haldon 202



Epping 203



Darwin 204



Ascott 205



Arden 206



Tarkine 207



Levens 208



Vyne 208



Ashdown 209

# Haldon

Outdoor LED wall light

Flicker free 

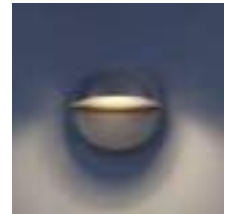
- Die-cast aluminium body with polycarbonate diffuser
- Black and dark grey textured powder coat finishing
- Choices of circular and oval shapes



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)



## General Specification

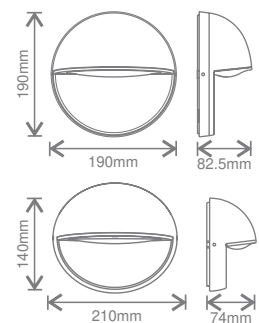
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.55  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminum



## Order Code

KWAL109C-BLK  
KWAL109C-GRY  
KWAL109O-BLK  
KWAL109O-GRY

## Dimensions



Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KWAL109C	9W	53°	Black Grey	4000K	<b>475lm</b>	<b>£60.65</b>
KWAL109O	9W	53°	Black Grey	4000K	<b>475lm</b>	<b>£59.53</b>

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)



### General Specification

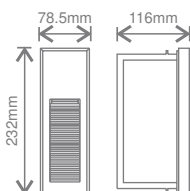
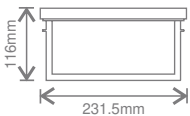
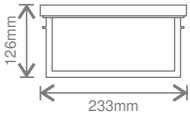
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.46  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



### Order Code

KBRK112GRD-BLK  
KBRK112GRD-GRY  
KBRK112STD-BLK  
KBRK112STD-GRY  
KBRK103VER-BLK  
KBRK103VER-GRY

### Dimensions



# Epping

SPEC LINE

LED brick light

- Die-cast aluminium body with polycarbonate front cover
- Polycarbonate back box for easy installation
- Choice of styles and mounting positions
- Black and dark grey textured powder coat finishing



Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KBRK112GRD	12W	55°	Black Grey	4000K	<b>210lm</b>	<b>£91.31</b>
KBRK112STD	12W	63°	Black Grey	4000K	<b>320lm</b>	<b>£90.90</b>
KBRK103VER	3W	22°	Black Grey	4000K	<b>140lm</b>	<b>£84.30</b>

# Darwin

Decorative wall lantern with E27 lamp holder

- Die-cast aluminium body and glass diffuser
- Option of top arm or bottom arm mounting



▲ Lamp not included

Order Code	Max Power	Lamp Holder	Finish	Trade Price
KLTN1E27T	100W	E27	Black	<b>£124.72</b>
KLTN1E27B	100W	E27	Black	<b>£124.72</b>

**5** 5 Years  
Standard Warranty



Recommended lamps



Flame Lamp ↪ P279

## General Specification

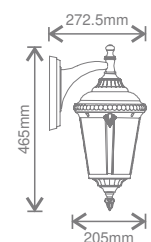
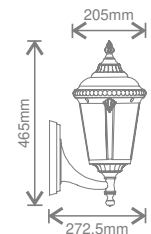
Voltage 220-240Vac  
50-60Hz  
Life Time 40,000h  
Ambient Temp -20°C to 40°C  
Housing Diecast aluminium



## Order Code

KLTN1E27T  
KLTN1E27B

## Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)



KLTN210B



KLTN210T

**General Specification**

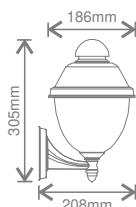
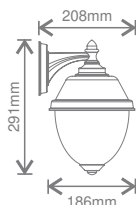
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.55  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



**Order Code**

KLTN210T  
KLTN210B  
KLTN210B/S

**Dimensions**



# Ascott

Round wall lantern with integrated LED

- Die-cast aluminium body with polycarbonate diffuser
- Option of PIR version

Built-in motion sensor

Flicker free



Order Code	Type	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KLTN210T	Standard	10W	90°	Black	4000K	<b>690lm</b>	<b>£104.32</b>
KLTN210B	Standard	10W	90°	Black	4000K	<b>690lm</b>	<b>£102.42</b>
KLTN210B/S	Sensor	10W	90°	Black	4000K	<b>690lm</b>	<b>£142.89</b>

# Arden

Aluminium die-cast bollards with integrated LED

- Die-cast aluminium body with polycarbonate diffuser
  - Internal stainless steel reflector
  - Options of various heights
- Black or dark grey textured powder coat finishing



- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 1000V** Surge Protection (L to GND)



Ø160mm



Root mount  
KBLD320T



Flange mount  
KBLD210M, KBLD210T

### General Specification

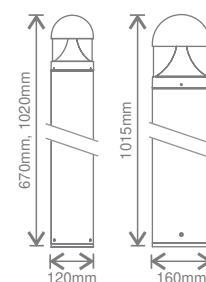
Voltage	220-240Vac
	50-60Hz
CRI	> 80
Life Time	40,000h
Power Factor	0.50
Ambient Temp	-20°C to 50°C
Housing	Diecast aluminum



### Order Code

- KBLD210M-BLK
- KBLD210M-GRY
- KBLD210T-BLK
- KBLD210T-GRY
- KBLD320T-BLK
- KBLD320T-GRY

### Dimensions



Order Code	Power	Height	Beam Angle	Finish	CCT	Lumen	Trade Price
KBLD210M	10W	670mm	90°	Black Grey	4000K	<b>780lm</b>	<b>£173.34</b>
KBLD210T	10W	1020mm	90°	Black Grey	4000K	<b>780lm</b>	<b>£221.01</b>
KBLD320T	20W	1015mm	90°	Black Grey	4000K	<b>1100lm</b>	<b>£402.40</b>



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection  
(L to GND)



# Tarkine

Modern aluminium die-cast bollards with integrated LED

- Die-cast aluminium body with polycarbonate diffuser
- Light being directed downward for minimum glare
- Black or dark grey textured powder coat finishing

## General Specification

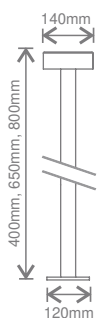
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor 0.50  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



## Order Code

KBLD510S-BLK  
KBLD510S-GRY  
KBLD510M-BLK  
KBLD510M-GRY  
KBLD510T-BLK  
KBLD510T-GRY

## Dimensions



Order Code	Power	Height	Beam Angle	Finish	CCT	Lumen	Trade Price
KBLD510S	10W	400mm	90°	Black Grey	4000K	500lm	£190.03
KBLD510M	10W	650mm	90°	Black Grey	4000K	500lm	£210.17
KBLD510T	10W	800mm	90°	Black Grey	4000K	500lm	£222.39

# Levens

LED Inground uplight

- Stainless steel front bezel
- Powder coated die-cast aluminium body
- Static load >2000kg, suitable for vehicular and pedestrian traffic
- Integral driver, LED and optic lens
- Pre-wired with 0.5 metre of rubber insulated cable
- Plastic housing is provided for easy installation



Order Code	Power	Beam Angle	Finish	CCT	Lumen	Trade Price
KIGL103-B50	3W	90°	Black	5000K	140lm	£119.25

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 1000V** Surge Protection (L to GND)

### General Specification

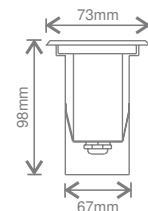
Voltage	220-240Vac 50-60Hz
CRI	> 80
Life Time	40,000h
Power Factor	0.45
Ambient Temp	-20°C to 50°C
Housing	Diecast aluminium



### Order Code

KIGL103-B50

### Dimensions



# Vyne

Inground uplight for LED GU10 lamps

- Stainless steel front bezel
- Powder coated die-cast aluminium body
- Static load >2000kg, suitable for vehicular and pedestrian traffic
- GU10 Lamp holder
- Pre-wired with 0.5 metre of rubber insulated cable
- Plastic housing is provided for easy installation



◀ Lamp not included

Order Code	Max Power	Lamp Holder	Finish	Trade Price
KIGL2GU10	35W	GU10	Black	£36.03

- 5** 5 Years Standard Warranty

### General Specification

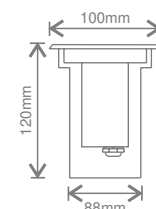
Voltage	220-240Vac 50-60Hz
Life Time	40,000h
Ambient Temp	-20°C to 50°C
Housing	Diecast aluminium



### Order Code

KIGL2GU10

### Dimensions



**5** 5 Years  
Standard Warranty

# Ashdown

Surface/spike spot light for LED GU10 Lamp

- Die-cast aluminium body with polycarbonate diffuser
- Option of surface mount kit
- Popular GU10 lamp holder



## General Specification

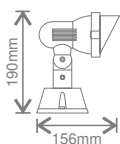
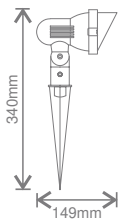
Voltage 220-240Vac  
50-60Hz  
Life Time 40,000h  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



## Order Code

KSPK1GU10-BLK  
KSPK1GU10-GRY  
KPTSPK1-SUR-BLK  
KPTSPK1-SUR-GRY

## Dimensions



Order Code	Max Power	Lamp Holder	Finish	Trade Price
KSPK1GU10	35W	GU10	Black Grey	£41.76

## Accessory

Type	Order Code	Description	Trade Price
Base	KPTSPK1-SUR	Surface mounting base	£24.24

# Retail & Display



Atami

214



Avalon

218



Maly

224



Tatio

228



Penta

230



Azure

232



Aloba

233



Airline

234



With stores open 7 days a week throughout the year, high quality, long lasting products were key to this project. The lighting needed to highlight the products on sale, whilst creating a warm and inviting ambiance.



## DFS nationwide Case Study

Location: Nationwide

Solution: 15w circular Tatio wall washer, 34w Maly retail downlight and housing, 24w Aloba track light and 3w emergency Nitro recessed downlight



SPEC LINE

# Atami

Modular LED down light system with multiple mounting positions

Wattage switching 

Modular design 

- Modular design of LED modules and housings
  - Low UGR LED modules available
  - Options of recessed, trim-less, surface and suspended mountings
- Colour temperature switching 3000/4000/5000K
  - Each LED module has 2 wattage options



**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**1000V** Surge Protection

### New Optional Gear



Standard/Self-test universal emergency module  
[UEM II](#) [P37](#)

### General Specification

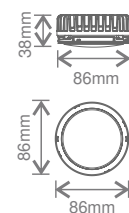
Voltage 180-264Vac  
 50-60Hz  
 CRI >80  
 Life Time 40,000h  
 Power Factor >0.90  
 Ambient Temp -20°C to 40°C  
 Housing Diecast aluminum



### Order Code

KRDL0715/SCT-F  
 KRDL0715/SCT-W

### Dimensions



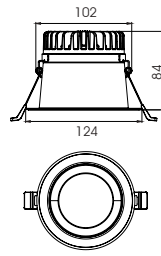
Order Code	Default Power	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL0715/SCT	-	7W	55° 100°	Switchable*	770lm/720lm (3000K) 820lm/770lm (4000K) 820lm/770lm (5000K)	£63.60
	15W	-	55° 100°	Switchable*	1650lm/1550lm (3000K) 1750lm/1650lm (4000K) 1750lm/1650lm (5000K)	

\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

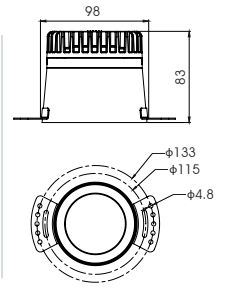




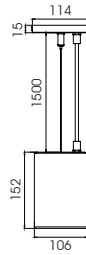
KRDL04H-REC  
4" Recessed  
Cut-out 102mm



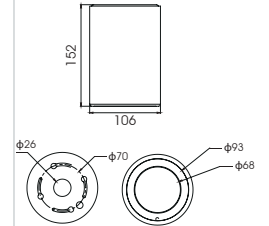
KRDL04H-TRL  
4" Trim-less  
Cut-out 98mm



KRDL04H-PEN  
4" Pendant



KRDL04H-SUR  
4" Surface



KRDL04REF-WHT



KRDL04REF-BLK



KRDL04REF-BAS



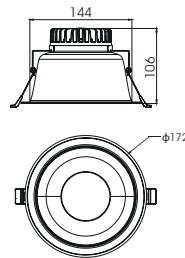
KRDL04REF-CHM



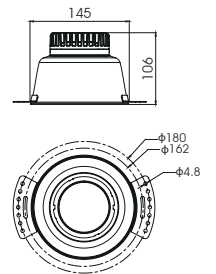
KRDL04REF-SLV



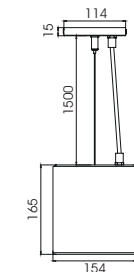
KRDL06H-REC  
6" Recessed  
Cut-out 144mm



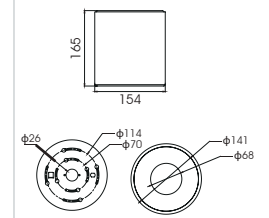
KRDL06H-TRL  
6" Trim-less  
Cut-out 145mm



KRDL06H-PEN  
6" Pendant



KRDL06H-SUR  
6" Surface



KRDL06REF-WHT



KRDL06REF-BLK



KRDL06REF-BAS



KRDL06REF-CHM



KRDL06REF-SLV

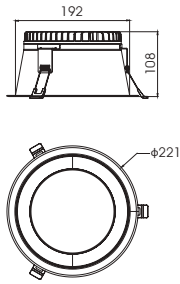


Order Code	Default Power	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL2030/SCT	-	20W	100°	Switchable*	2540lm (3000K)	£130.36
					2680lm (4000K)	
					2680lm (5000K)	
	30W	-	100°	Switchable*	3810lm (3000K)	
					4020lm (4000K)	
					4020lm (5000K)	

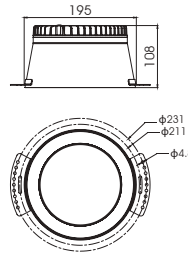
\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 5000K



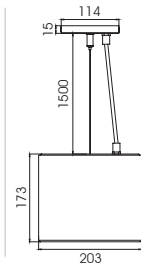
KRDL08H-REC  
8" Recessed  
Cut-out 192mm



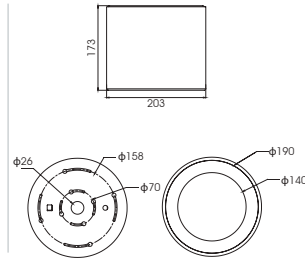
KRDL08H-TRL  
8" Trim-less  
Cut-out 195mm



KRDL08H-PEN  
8" Pendant



KRDL08H-SUR  
8" Surface



KRDL08REF-WHT



KRDL08REF-BLK



KRDL08REF-BAS



KRDL08REF-CHM

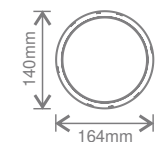
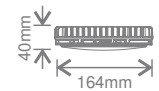


KRDL08REF-SLV

**Order Code**

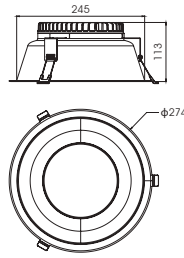
KRDL2030/SCT-W

**Dimensions**

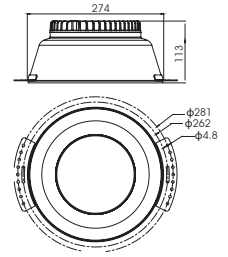




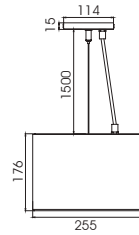
KRDL10H-REC  
10" Recessed  
Cut-out 245mm



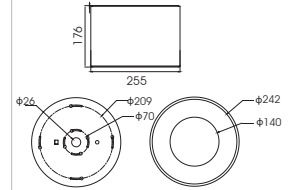
KRDL10H-TRL  
10" Trim-less  
Cut-out 274mm



KRDL10H-PEN  
10" Pendant



KRDL10H-SUR  
10" Surface



KRDL10REF-WHT



KRDL10REF-BLK



KRDL10REF-BAS



KRDL10REF-CHM



KRDL10REF-SLV

### Optional Gears

Type	Order Code	Description	Trade Price
Dimmable driver	CYC030TDC30-90	Configurable DALI & 1-10V (0-10V) Dimmable Driver for 7/15W Module	<b>£68.46</b>
Dimmable driver	CYC050TDC70-140	Configurable DALI & 1-10V (0-10V) Dimmable Driver 20/30W Module	<b>£82.92</b>
Emergency module	CEW03LIC/N	UEM II, 3W, Li-ion battery	<b>£123.08</b>
Self-test emergency module	CEW03LIC/S	Self-test UEM II, 3W, Li-ion battery	<b>£139.95</b>

SPEC LINE

# Avalon

Modular system of LED retail downlight

Modular design



- Enhanced glare control
- Variety of reflector inserts
- Modular design of LED engine and housings
  - High performance CREE COB LED
  - Negligible UV, ideal for retail application



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL1001M09	9W	15° 38°	5000K	<b>900lm</b>	<b>£51.22</b>

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL1002M15	15W	15° 38°	5000K	<b>1450lm</b>	<b>£64.33</b>

**5** 5 Years Standard Warranty

**7** 7 Years Extended Warranty

**500V** Surge Protection

## New Optional Gear



Standard/Self-test universal emergency module

UEM II ↪ P37

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >90  
Life Time 40,000h  
Power Factor >0.55  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum

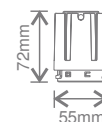
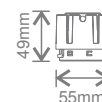


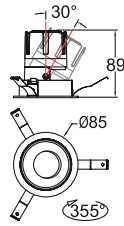
## Order Code

KRDL1001M09-B50  
KRDL1001M09-S50

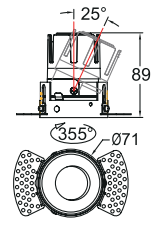
KRDL1002M15-B50  
KRDL1002M15-S50

## Dimensions

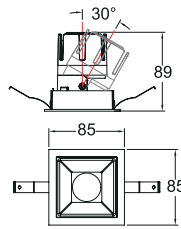




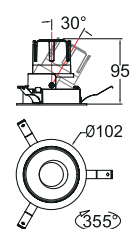
KRDL1003R-01  
Cut-out 75mm



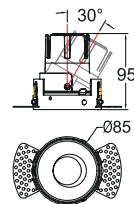
KRDL1003R-T1  
Cut-out 76mm



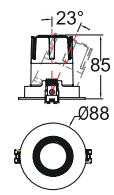
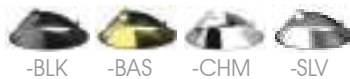
KRDL1003S-01  
Cut-out 75\*75mm



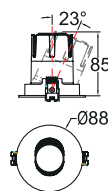
KRDL1004R-01  
Cut-out 90mm



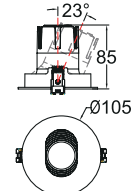
KRDL1004R-T1  
Cut-out 90mm



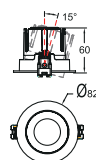
KRDL1072R-01  
Cut-out 75mm



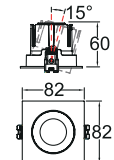
KRDL1073R-01  
Cut-out 75mm



KRDL1080R-01  
Cut-out 90mm



KRDL1081R-01  
Cut-out 70mm

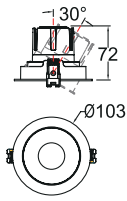


KRDL1082S-01  
Cut-out 70mm

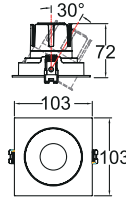




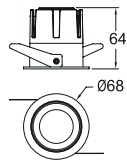
KRDL1083R-01  
Cut-out 90mm



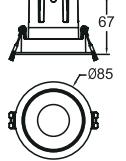
KRDL1084S-01  
Cut-out 90mm



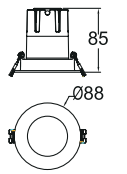
KRDL1011R-01  
Cut-out 60mm



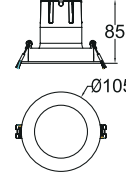
KRDL1012R-01  
Cut-out 75mm



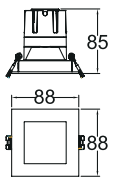
KRDL1071R-03  
Cut-out 75mm



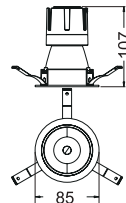
KRDL1079R-03  
Cut-out 90mm



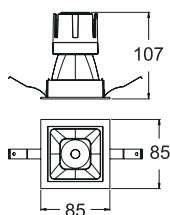
KRDL1071S-01  
Cut-out 75x75mm



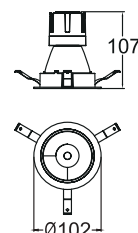
KRDL1207R-01  
Cut-out 75mm



KRDL1207S-01  
Cut-out 75x75mm



KRDL1208R-01  
Cut-out 90mm

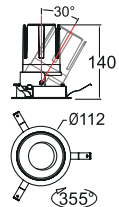




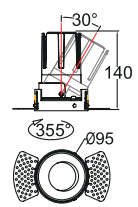
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL1003M24	24W	15° 38°	5000K	<b>1830lm</b>	<b>£94.37</b>



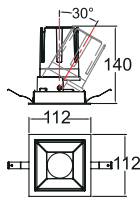
KRDL1006R-01  
Cut-out 100mm



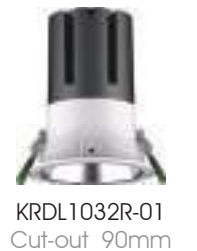
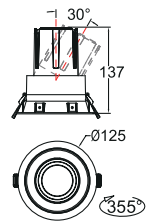
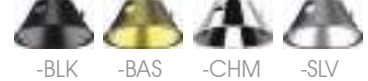
KRDL1006R-T1  
Cut-out 100mm



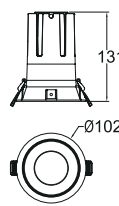
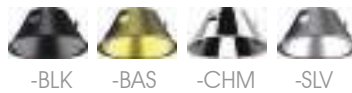
KRDL1006S-01  
Cut-out 100\*100mm



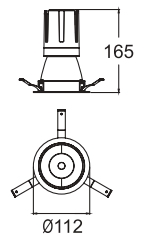
KRDL1042R-01  
Cut-out 110mm



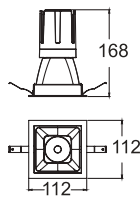
KRDL1032R-01  
Cut-out 90mm



KRDL1209R-01  
Cut-out 100mm



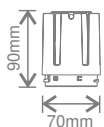
KRDL1209S-01  
Cut-out 100x100mm



**Order Code**

KRDL1003M24-B50  
KRDL1003M24-S50

**Dimensions**

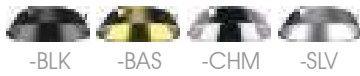
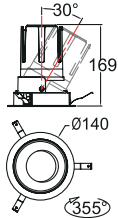




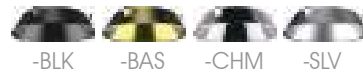
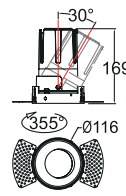
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL1004M33	33W	15° 38°	5000K	2750lm	£122.79



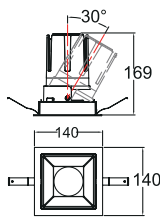
KRDL1007R-01  
Cut-out 125mm



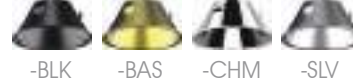
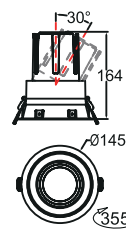
KRDL1007R-T1  
Cut-out 122mm



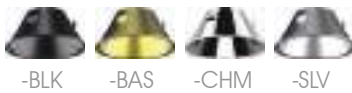
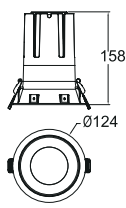
KRDL1007S-01  
Cut-out 125x125mm



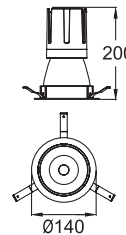
KRDL1043R-01  
Cut-out 130mm



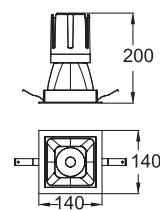
KRDL1033R-01  
Cut-out 110mm



KRDL1210R-01  
Cut-out 125mm



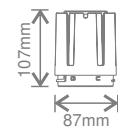
KRDL1210S-01  
Cut-out 125x125mm



**Order Code**

KRDL1004M33-B50  
KRDL1004M33-S50

**Dimensions**



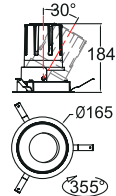




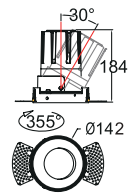
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL1005M42	42W	15° 38°	5000K	<b>3750lm</b>	<b>£151.57</b>



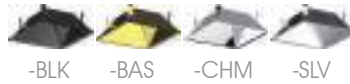
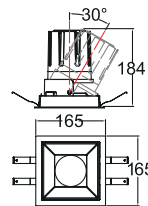
KRDL1008R-01  
Cut-out 150mm



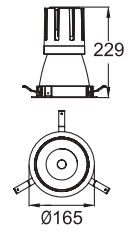
KRDL1008R-T1  
Cut-out 148mm



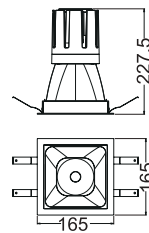
KRDL1008S-01  
Cut-out 150x150mm



KRDL1211R-01  
Cut-out 150mm



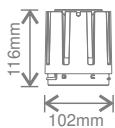
KRDL1211S-01  
Cut-out 150x150mm



**Order Code**

KRDL1005M42-B50  
KRDL1005M42-S50

**Dimensions**



SPEC LINE

# Maly

Modular system of LED retail downlights

Modular design



- Modular design of LED engine and housings
  - High performance CREE COB LED
  - Negligible UV, ideal for retail application

LED  
**CREE**  
Driver  
**TRIDONIC**



- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 500V** Surge Protection

### General Specification

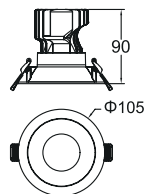
Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 50°C
Housing	Diecast aluminum



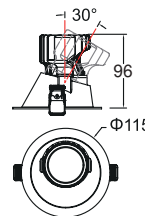
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL605M15	15W	15° 38°	5000K	<b>1250lm</b>	<b>£52.82</b>



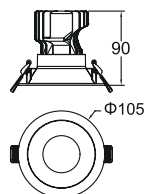
KRDL615HW  
Cut-out 90mm



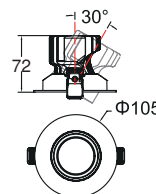
KRDL635HW  
Cut-out 100mm



KRDL615-BHS  
Cut-out 90mm



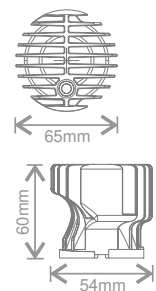
KRDL642HW  
Cut-out 90mm



### Order Code

KRDL605M15-B50  
KRDL605M15-S50

### Dimensions

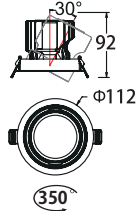




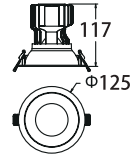
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL606M24	24W	15° 38°	4000K 5000K	<b>2100lm</b>	<b>£80.87</b>



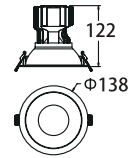
KRDL606HW  
Cut-out 100mm



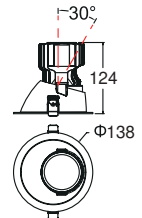
KRDL616HW  
Cut-out 115mm



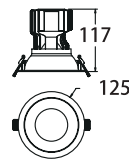
KRDL626HW  
Cut-out 125mm



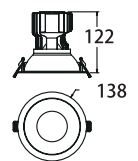
KRDL636HW  
Cut-out 125mm



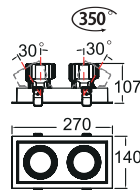
KRDL616-BHS  
Cut-out 115mm



KRDL626-BHS  
Cut-out 125mm



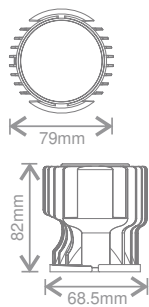
KRDL646-2HW  
Cut-out 255x125mm



**Order Code**

- KRDL606M24-B40
- KRDL606M24-S40
- KRDL606M24-B50
- KRDL606M24-S50

**Dimensions**

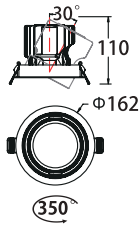




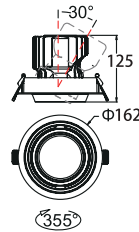
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL607M34	34W	15° 40°	4000K 5000K	<b>3100lm</b> <b>2800lm</b>	<b>£100.42</b>



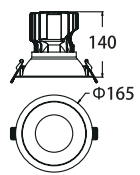
KRDL607-1HW  
Cut-out 150mm



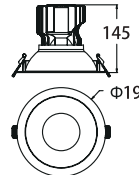
KRDL607-2HW  
Cut-out 150mm



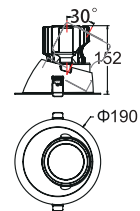
KRDL617HW  
Cut-out 150mm



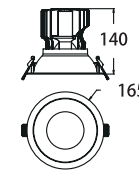
KRDL627HW  
Cut-out 170mm



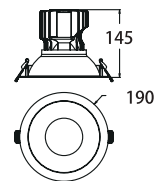
KRDL637HW  
Cut-out 170mm



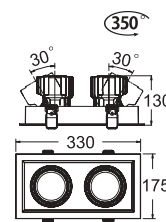
KRDL617-BHS  
Cut-out 150mm



KRDL627-BHS  
Cut-out 170mm



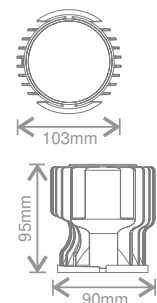
KRDL647-2HW  
Cut-out 315x160mm



**Order Code**

- KRDL607M34-B40
- KRDL607M34-S40
- KRDL607M34-B50
- KRDL607M34-S50

**Dimensions**

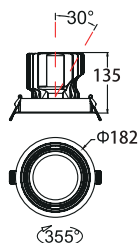




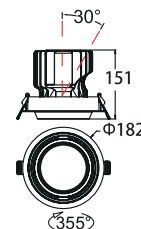
Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KRDL608M50	50W	20° 40°	4000K 5000K	<b>4100lm</b>	<b>£195.17</b>



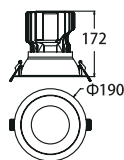
KRDL608-1HW  
Cut-out 170mm



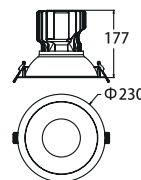
KRDL608-2HW  
Cut-out 170mm



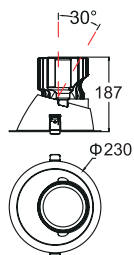
KRDL618HW  
Cut-out 170mm



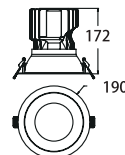
KRDL628HW  
Cut-out 210mm



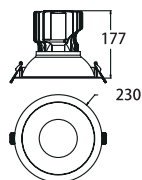
KRDL638HW  
Cut-out 210mm



KRDL618-BHS  
Cut-out 170mm



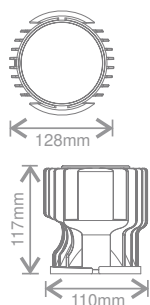
KRDL628-BHS  
Cut-out 210mm



**Order Code**

- KRDL608M50-B40
- KRDL608M50-S40
- KRDL608M50-B50
- KRDL608M50-S50

**Dimensions**



# Tatio

## Circular LED wall washer

- High performance CREE COB LED
- Negligible UV, ideal for retail application



Chrome  
KWWDL15-S30-CHM



Silver  
KWWDL15-S30-SLV

Order Code	Power	Beam Angle	Finish	Cut-out	CCT	Lumen	Trade Price
KWWDL09	9W	15° 38°	White	82mm	3000K 5000K	<b>1020lm</b>	<b>£67.80</b>
KWWDL15	15W	16° 36°	White	90mm	3000K 5000K	<b>1250lm</b>	<b>£88.21</b>
KWWDL15	15W	16° 36°	Chrome*	92mm	3000K 5000K	<b>1250lm</b>	<b>£116.51</b>
KWWDL15	15W	16° 36°	Silver*	92mm	3000K 5000K	<b>1250lm</b>	<b>£109.75</b>
KWWDL24	24W	15°	White	145mm	3000K 5000K	<b>2000lm</b> <b>2100lm</b>	<b>£131.00</b>
KWWDL24	24W	38°	White	145mm	3000K 5000K	<b>2000lm</b>	<b>£131.00</b>
KWWDL34	34W	15°	White	170mm	3000K 5000K	<b>2800lm</b> <b>3100lm</b>	<b>£164.59</b>
KWWDL34	34W	40°	White	170mm	3000K 5000K	<b>2300lm</b> <b>2900lm</b>	<b>£164.59</b>

\* Chrome & Silver factory order only

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 500V** Surge Protection
- 82/90/92/145/170mm** Cut-out

### General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Power Factor	>0.95
Ambient Temp	-20°C to 50°C
Housing	Diecast aluminum



### Order Code

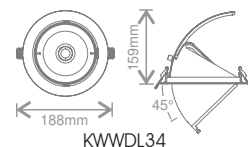
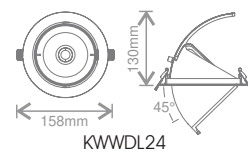
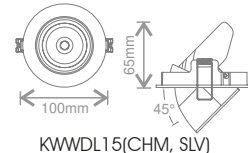
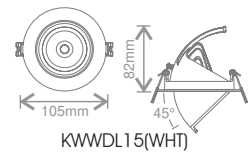
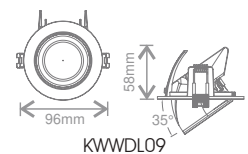
KWWDL09-B30  
KWWDL09-B50  
KWWDL09-S30  
KWWDL09-S50

KWWDL15-B30-WHT  
KWWDL15-B50-WHT  
KWWDL15-S30-WHT  
KWWDL15-S30-CHM  
KWWDL15-S30-SLV  
KWWDL15-S50-WHT  
KWWDL15-S50-CHM  
KWWDL15-S50-SLV

KWWDL24-B30  
KWWDL24-B50  
KWWDL24-S30  
KWWDL24-S50

KWWDL34-B30  
KWWDL34-B50  
KWWDL34-S30  
KWWDL34-S50

### Dimensions



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**1000V**  
Surge Protection

**220x130mm**  
Cut-out

### New Optional Gear



Standard/Self-test  
universal emergency module

UEM II ↪ P37

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.95  
Ambient Temp -20°C to 40°C  
Housing Diecast  
aluminum

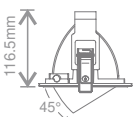
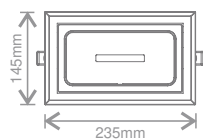


### Order Code

KWWDL25Q-W30  
KWWDL25Q-W40  
KWWDL25Q-W65

KWWDL35Q-W30  
KWWDL35Q-W40  
KWWDL35Q-W65

### Dimensions



# Tatio-R

Rectangular LED wall washer

- High performance COB LED
- Negligible UV, ideal for retail application
- Wide beam angle of 110°



Order Code	Power	Beam Angle	Cut-out	CCT	Lumen	Trade Price
KWWDL25Q	25W	110°	220x130mm	3000K*	<b>2050lm</b>	<b>£157.30</b>
				4000K	<b>2120lm</b>	
				6000K*	<b>2150lm</b>	
KWWDL35Q	35W	110°	220x130mm	3000K*	<b>2960lm</b>	<b>£165.83</b>
				4000K	<b>3050lm</b>	
				6000K*	<b>3120lm</b>	

\* 3000K & 6000K factory order only

SPEC LINE

# Penta

Single circuit LED track light

- For the popular JT single circuit track
- Negligible UV, ideal for retail applications
  - Black and white finishing
  - Various optical accessories
- Option of narrow and wide beam angles
- Choice of different CCTs 3000K/4000K/5000K



15° / 38°

Single circuit  
(compatible with  
popular JT single  
circuit track)

**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty

**2000V**  
Surge Protection  
(L to GND)



### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.93  
(8W)  
>0.97  
(15W)  
>0.98  
(22W)  
Ambient -20°C to 40°C  
Temp  
Housing Extrusion pure  
aluminum



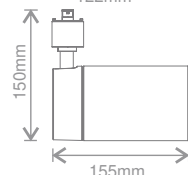
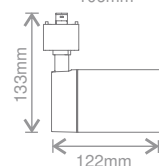
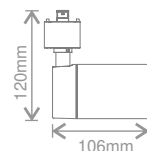
### Order Code

KTDL08C11-830-WHT KTDL08C11-830-BLK  
KTDL08C11-840-WHT KTDL08C11-840-BLK  
KTDL08C11-850-WHT KTDL08C11-850-BLK  
KTDL08C11-830-WHT KTDL08C11-830-BLK  
KTDL08C11-840-WHT KTDL08C11-840-BLK  
KTDL08C11-850-WHT KTDL08C11-850-BLK

KTDL15C11-830-WHT KTDL15C11-830-BLK  
KTDL15C11-840-WHT KTDL15C11-840-BLK  
KTDL15C11-850-WHT KTDL15C11-850-BLK  
KTDL15C11-830-WHT KTDL15C11-830-BLK  
KTDL15C11-840-WHT KTDL15C11-840-BLK  
KTDL15C11-850-WHT KTDL15C11-850-BLK

KTDL22C11-830-WHT KTDL22C11-830-BLK  
KTDL22C11-840-WHT KTDL22C11-840-BLK  
KTDL22C11-850-WHT KTDL22C11-850-BLK  
KTDL22C11-830-WHT KTDL22C11-830-BLK  
KTDL22C11-840-WHT KTDL22C11-840-BLK  
KTDL22C11-850-WHT KTDL22C11-850-BLK

### Dimensions



Order Code	Power	Finish	Beam Angle	CCT	Lumen	Trade Price
KTDL08C11	8W	White Black	15°	3000K	<b>600lm</b>	<b>£98.09</b>
			38°	4000K	<b>700lm</b>	
				5000K	<b>700lm</b>	
KTDL15C11	15W	White Black	15°	3000K	<b>1450lm</b>	<b>£134.16</b>
			38°	4000K	<b>1550lm</b>	
				5000K	<b>1550lm</b>	
KTDL22C11	22W	White Black	15°	3000K	<b>2100lm</b>	<b>£161.87</b>
			38°	4000K	<b>2200lm</b>	
				5000K	<b>2200lm</b>	



Honeycomb



Snoot



Oval Snoot



Barndoor



JT single circuit track



End Feed Reverse Polarity



I Connector



T Connector Standard Polarity



X Connector



Interlock L Connector



Flexible Connector



## Accessories

Type	Order Code	Description	Trade Price
Honeycomb	KTDL08-HOC-WHT	White honeycomb for 8W	£7.28
Honeycomb	KTDL08-HOC-BLK	Black honeycomb for 8W	£7.28
Snoot	KTDL08-SNT-WHT	White snoot for 8W	£8.01
Snoot	KTDL08-SNT-BLK	Black snoot for 8W	£8.01
Oval Snoot	KTDL08-OVS-WHT	White oval snoot for 8W	£15.90
Oval Snoot	KTDL08-OVS-BLK	Black oval snoot for 8W	£15.90
Barndoor	KTDL08-BAD-WHT	White barndoor for 8W	£27.19
Barndoor	KTDL08-BAD-BLK	Black barndoor for 8W	£27.19
Honeycomb	KTDL15-HOC-WHT	White honeycomb for 15W	£8.01
Honeycomb	KTDL15-HOC-BLK	Black honeycomb for 15W	£8.01
Snoot	KTDL15-SNT-WHT	White snoot for 15W	£11.02
Snoot	KTDL15-SNT-BLK	Black snoot for 15W	£11.02
Oval Snoot	KTDL15-OVS-WHT	White oval snoot for 15W	£15.90
Oval Snoot	KTDL15-OVS-BLK	Black oval snoot for 15W	£15.90
Barndoor	KTDL15-BAD-WHT	White barndoor for 15W	£27.19
Barndoor	KTDL15-BAD-BLK	Black barndoor for 15W	£27.19
Honeycomb	KTDL22-HOC-WHT	White honeycomb for 22W	£9.57
Honeycomb	KTDL22-HOC-BLK	Black honeycomb for 22W	£9.57
Snoot	KTDL22-SNT-WHT	White snoot for 22W	£10.30
Snoot	KTDL22-SNT-BLK	Black snoot for 22W	£10.30
JT single circuit track	KPT-KTDL-T1-WHT	1 meter length white single circuit track	£47.99
JT single circuit track	KPT-KTDL-T1-BLK	1 meter length black single circuit track	£47.99
End Feed Reverse Polarity	KPT-T1-EF2-WHT	Reverse polarity end feed in white	£11.27
End Feed Reverse Polarity	KPT-T1-EF2-BLK	Reverse polarity end feed in black	£11.27
I Connector	KPT-T1-CI-WHT	Conductive end to end connector in white	£17.21
I Connector	KPT-T1-CI-BLK	Conductive end to end connector in black	£17.10
T Connector Standard Polarity	KPT-T1-CT1-WHT	Standard polarity "T" connector in white	£21.05
T Connector Standard Polarity	KPT-T1-CT1-BLK	Standard polarity "T" connector in black	£21.05
T Connector Reverse Polarity	KPT-T1-CT2-WHT	Reverse polarity "T" connector in white	£21.05
T Connector Reverse Polarity	KPT-T1-CT2-BLK	Reverse polarity "T" connector in black	£21.05
X Connector	KPT-T1-CX-WHT	Wired as two separate "L" sections in white	£27.95
X Connector	KPT-T1-CX-BLK	Wired as two separate "L" sections in black	£27.95
Interlock L Connector	KPT-T1-CL-WHT	Adjustable "L" connector. Use as standard or reverse polarity in white	£17.21
Interlock L Connector	KPT-T1-CL-BLK	Adjustable "L" connector. Use as standard or reverse polarity in black	£17.21
Flexible Connector	KPT-T1-FC-WHT	Adjustable Corner Connector in white	£23.55
Flexible Connector	KPT-T1-FC-BLK	Adjustable Corner Connector in black	£23.55

SPEC LINE

# Azure

Modern style LED track spotlight

- Popular global/unipro track
- Negligible UV, ideal for retail application
- Options of narrow and wide beam angles with different colour temperature
  - Black & white finishing



3-Circuit  
GLOBAL / UNIPRO Trac

- 5** 5 Years Standard Warranty
- 7** 7 Years Extended Warranty
- 1000V** Surge Protection (L to GND)



### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >90  
Life Time 40,000h  
Power Factor >0.52  
(12W >0.95  
(20W, 30W, 33W)  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum

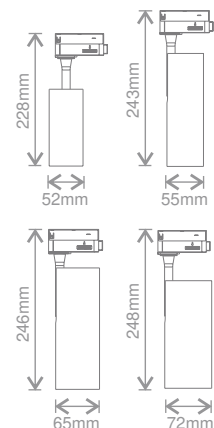


### Order Code

- |                   |                   |
|-------------------|-------------------|
| KTDL12CI1-B30-WHT | KTDL12CI1-B30-BLK |
| KTDL12CI1-B40-WHT | KTDL12CI1-B40-BLK |
| KTDL12CI1-B50-WHT | KTDL12CI1-B50-BLK |
| KTDL12CI1-S30-WHT | KTDL12CI1-S30-BLK |
| KTDL12CI1-S40-WHT | KTDL12CI1-S40-BLK |
| KTDL12CI1-S50-WHT | KTDL12CI1-S50-BLK |
- 
- |                   |                   |
|-------------------|-------------------|
| KTDL20CI1-B30-WHT | KTDL20CI1-B30-BLK |
| KTDL20CI1-B40-WHT | KTDL20CI1-B40-BLK |
| KTDL20CI1-B50-WHT | KTDL20CI1-B50-BLK |
| KTDL20CI1-S30-WHT | KTDL20CI1-S30-BLK |
| KTDL20CI1-S40-WHT | KTDL20CI1-S40-BLK |
| KTDL20CI1-S50-WHT | KTDL20CI1-S50-BLK |
- 
- |                   |                   |
|-------------------|-------------------|
| KTDL30CI1-B30-WHT | KTDL30CI1-B30-BLK |
| KTDL30CI1-B40-WHT | KTDL30CI1-B40-BLK |
| KTDL30CI1-B50-WHT | KTDL30CI1-B50-BLK |
| KTDL30CI1-S30-WHT | KTDL30CI1-S30-BLK |
| KTDL30CI1-S40-WHT | KTDL30CI1-S40-BLK |
| KTDL30CI1-S50-WHT | KTDL30CI1-S50-BLK |
- 
- |                   |                   |
|-------------------|-------------------|
| KTDL33CI1-B30-WHT | KTDL33CI1-B30-BLK |
| KTDL33CI1-B40-WHT | KTDL33CI1-B40-BLK |
| KTDL33CI1-B50-WHT | KTDL33CI1-B50-BLK |
| KTDL33CI1-S30-WHT | KTDL33CI1-S30-BLK |
| KTDL33CI1-S40-WHT | KTDL33CI1-S40-BLK |
| KTDL33CI1-S50-WHT | KTDL33CI1-S50-BLK |

Order Code	Power	Finish	Beam Angle	CCT	Lumen	Trade Price
KTDL12CI1	12W	White Black	15° 38°	3000K 4000K 5000K	<b>970lm</b>	<b>£89.27</b>
KTDL20CI1	20W	White Black	15° 38°	3000K 4000K 5000K	<b>1700lm</b>	<b>£136.65</b>
KTDL30CI1	30W	White Black	15° 38°	3000K 4000K 5000K	<b>3000lm</b>	<b>£164.77</b>
KTDL33CI1	33W	White Black	15° 38°	3000K 4000K 5000K	<b>3500lm</b>	<b>£172.36</b>

### Dimensions



**5** 5 Years  
Standard Warranty**7** 7 Years  
Extended Warranty**2000V**  
Surge Protection  
(L to GND)

# Aloba

## LED Track light

- Popular global/unipro track
- Negligible UV, ideal for retail application
- Options of narrow and wide beam angles
- Black & white finishes

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Life Time 40,000h  
Power Factor >0.95  
Ambient Temp -20°C to 50°C  
Housing Diecast aluminum



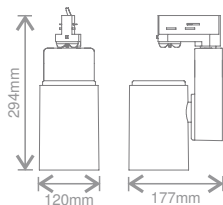
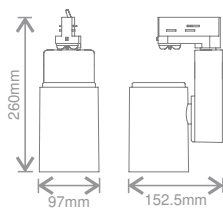
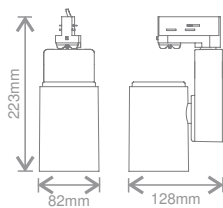
### Order Code

KTDL24GL-B30  
KTDL24GL-B40  
KTDL24GL-B50  
KTDL24GL-S30  
KTDL24GL-S40  
KTDL24GL-S50

KTDL34GL-B30  
KTDL34GL-B40  
KTDL34GL-B50  
KTDL34GL-S30  
KTDL34GL-S40  
KTDL34GL-S50

KTDL50GL-B30  
KTDL50GL-B40  
KTDL50GL-B50  
KTDL50GL-S30  
KTDL50GL-S40  
KTDL50GL-S50

### Dimensions



LED  
**CREE**  
Driver  
**TRIDONIC**

3-Circuit  
GLOBAL / UNIPRO Trac

Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KTDL24GL	24W	15°	3000K	<b>2000lm</b>	<b>£134.54</b>
			4000K		
			5000K		
KTDL24GL	24W	38°	3000K	<b>2000lm</b>	<b>£134.54</b>
			4000K		
			5000K		
KTDL34GL	34W	15°	3000K	<b>2800lm</b> <b>2900lm</b> <b>3100lm</b>	<b>£156.50</b>
			4000K		
			5000K		
KTDL34GL	34W	40°	3000K	<b>2300lm</b> <b>2700lm</b> <b>2900lm</b>	<b>£156.50</b>
			4000K		
			5000K		
KTDL50GL	50W	20°	3000K	<b>4100lm</b>	<b>£214.77</b>
			4000K		
			5000K		
KTDL50GL	50W	40°	3000K	<b>4100lm</b>	<b>£214.77</b>
			4000K		
			5000K		

**unipro**

Please refer to Page 299 - 306 for order information of Unipro Trac and accessories

# Airline

## Modular LED Linear lighting System

- Uniform soft light for perfect presentation without dark areas
  - Three lengths of lighting bar to choose from
  - Quick connection system between lighting bars
  - Touch switch, sensor switch or dimming control
- Full set of accessories for various installation methods



**5** 5 Years  
Standard Warranty

**7** 7 Years  
Extended Warranty



KAL-CC-13  
Touch Switch



KAL-CC-14  
Sensor Switch



KAL-CC-15  
Dimmer Switch



KAL-FB-10  
Left Corner Connector



KAL-FB-11  
Right Corner Connector



KAL-SC-10  
Solid "L" Connector



KAL-MC-10  
Middle Connector



KAL-CP-4  
1 x 4 Adaptor Junction



KAL-CC-10  
Input Power Line

### Must be ordered with a power supply

Order Code	Power	Length	Beam Angle	CCT	Lumen	Trade Price
KAL-H030-5W	5W	300mm	100°	3000K	<b>350lm</b>	<b>£38.18</b>
KAL-H060-9W	9W	600mm	100°	3000K	<b>630lm</b>	<b>£55.95</b>
KAL-H100-15W	15W	1000mm	100°	3000K	<b>950lm</b>	<b>£73.43</b>



**KAL-CE-1**  
Extension Cable



**KAL-CE-10**  
Hand by Hand Connector



**KAL-FC-1**  
180° Fixing Clips



**KAL-FC-2**  
45° Fixing Clips



**KAL-FC-4**  
3M Adhesive Strip

### General Specification

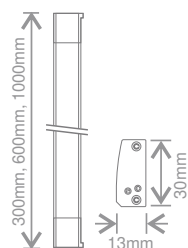
Voltage	24Vdc
CRI	82
Life Time	40,000h
Power Factor	1.00
Ambient Temp	0°C to 45°C
Housing	Aluminium
Diffuser	Polycarbonate



### Order Code

KAL-H030-5W  
KAL-H060-9W  
KAL-H100-15W

### Dimensions



### Power Supply

Order Code	Max Power	Output Voltage	Input Voltage	Trade Price
KSAS0452400150M2	36W	24Vdc	100-240Vac 50-60Hz	<b>£46.48</b>
KSAS0652400250M2	60W	24Vdc	100-240Vac 50-60Hz	<b>£61.51</b>

### Accessories

Type	Order Code	Description	Trade Price
Switch	KAL-CC-13	Touch Switch	<b>£14.32</b>
Switch	KAL-CC-14	Sensor Switch	<b>£15.41</b>
Switch	KAL-CC-15	Dimmer Switch	<b>£18.91</b>
Connector	KAL-FB-10	Left Corner Connector	<b>£7.09</b>
Connector	KAL-FB-11	Right Corner Connector	<b>£7.09</b>
Connector	KAL-SC-10	Solid "L" Connector	<b>£7.09</b>
Connector	KAL-MC-10	Middle Connector	<b>£1.27</b>
Cable	KAL-CC-10	Input Power Line	<b>£5.47</b>
Cable	KAL-CE-1	Extension Cable	<b>£8.38</b>
Connector	KAL-CE-10	Hand by Hand Connector	<b>£7.28</b>
Fixing	KAL-FC-1	180° Fixing Clips	<b>Included inbox</b>
Fixing	KAL-FC-2	45° Fixing Clips	<b>Included inbox</b>
Fixing	KAL-FC-4	3M Adhesive Strip	<b>Included inbox</b>



# 12

Worklight



Pocket Light 238



Penlight 238



Cube 239



Beacon 241

# Pocket Light

3W rechargeable LED portable pocket work light

- USB charging lead (charger not supplied)
  - Charging indicator
  - High and low output modes
- Integrated magnetic stand and suspension hook
- High impact ABS housing (IK07)



Order Code	Power	Battery	Battery Capacity	Beam Angle	CCT	Lumen	Trade Price
KPWL03POC54	3W	Lithium-Ion	1500mAh	90° x 110°	6500K	<b>300lm</b> (high) <b>110lm</b> (low)	<b>£59.86</b>

### Time for Continuous Usage

Order Code	Max Wattage	High Light Output	Low Light Output
KPWL03POC54	3W	3 hours	8 hours

**3** 3 Years Standard Warranty

### General Specification

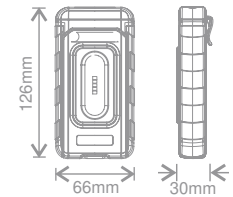
Voltage	3.7Vdc
CRI	81
Life Time	40,000h
Ambient Temp	-10°C to 40°C
Housing	ABS, PC



### Order Code

KPWL03POC54

### Dimensions



# Penlight

1.5W rechargeable LED pen shaped light

- USB charging lead (charger not supplied)
  - Charging indicator
  - Main side light or torch beam
- Pocket clip with integrated magnet
- High impact ABS housing (IK07)



Order Code	Power	Battery	Battery Capacity	Beam Angle	CCT	Lumen	Trade Price
KPWL1.5PEN	1.5W	Lithium-Ion	750mAh	120° (main) 15° (torch)	6500K	<b>120lm</b> (main) <b>80lm</b> (torch)	<b>£38.84</b>

### Time for Continuous Usage

Order Code	Max Wattage	High Light Output	Low Light Output
KPWL1.5PEN	1.5W	3.5 hours	4.5 hours

**3** 3 Years Standard Warranty



### General Specification

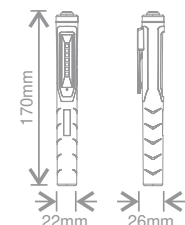
Voltage	4.2Vdc
CRI	81
Life Time	40,000h
Ambient Temp	-10°C to 40°C
Housing	ABS, PC



### Order Code

KPWL1.5PEN

### Dimensions





**3** 3 Years  
Standard Warranty

# Cube

(10W, 30W)

Rechargeable portable LED work light

- Portable
- Li-ion rechargeable battery
- Up to 10 hours operation
- Three light output levels
- Optional telescopic metal stand
- Class III, IP65



▲ 10W



Iron Stand  
KPWL-STAND



▲ 30W

### General Specification

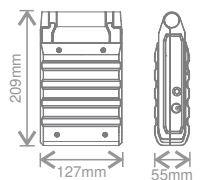
Charger	
Voltage	100-240Vac 50-60Hz
CRI	>80
Life Time	40,000h
Ambient Temp	-10°C to 40°C
Housing	Diecast aluminum, ABS, PC



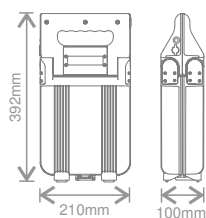
### Order Code

KPWLLS10Q165-W60  
KPWLLS30Q165-W50

### Dimensions



KPWLLS10Q165-W60



KPWLLS30Q165-W50

Order Code	Power	Battery	Battery Capacity	Beam Angle	CCT	Lumen	Trade Price
KPWLLS10Q165	10W	Li-ion	4400mAh	120°	6000K	<b>1100lm</b>	<b>£140.72</b>
KPWLLS30Q165	30W	Li-ion	8800mAh	105°	5000K	<b>2300lm</b>	<b>£229.35</b>

### Time for Continuous Usage

Order Code	Max Wattage	Full Light Output	30% Light Output
KPWLLS10Q165	10W	3.5 hours	10 hours
KPWLLS30Q165	30W	2.5 hours	9 hours

### Accessories

Type	Order Code	Description	Trade Price
Car charger	KPWL-CARCHARGER	DC car charger for work light	<b>£11.82</b>
Metal Stand	KPWL-STAND	Site Lamp Stand, for 30w & 60w	<b>£79.73</b>

# Cube (60W)

High Power portable LED work light

- High 4800 lumen COB output
  - Class I, IP44
  - Portable
- Diecast aluminium, ABS and PC housing
- Optional telescopic metal stand
  - Three light output levels

**3** 3 Years  
Standard Warranty

**3000V**  
Surge Protection  
(L to GND)

**110** 110V  
Input voltage



Folded



110V Plug



Iron Stand  
KPWL-STAND



## General Specification

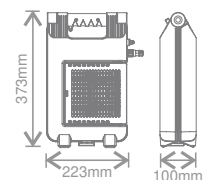
Voltage	100-110Vac 50-60Hz
CRI	82
Life Time	30,000h
Power Factor	0.97
Ambient Temp	0°C to 45°C
Housing	Diecast aluminum, ABS, PC



## Order Code

KPWL60Q44-W65

## Dimensions



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KPWL60Q44	60W	120°	6500K	<b>4800lm</b>	<b>£307.73</b>

## Accessory

Type	Order Code	Description	Trade Price
Metal Stand	KPWL-STAND	Site Lamp Stand, for 30w & 60w	<b>£67.87</b>

**3** 3 Years  
Standard Warranty

**5** 5 Years  
Extended Warranty

**2000V**  
Surge Protection

**110** 110V  
Input voltage



Folded



110V Plug

**General Specification**

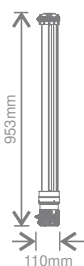
Voltage 100-110Vac  
50-60Hz  
CRI 84  
Life Time 30,000h  
Power Factor 0.99  
Ambient Temp 0°C to 45°C  
Housing Diecast aluminum, ABS, PC



**Order Code**

KPWL55L54-W65

**Dimensions**



# Beacon

Tubular high power portable LED work light

- Ultra-wide beam angle offering good light coverage
- Class I, IP44
- Portable
- Diecast aluminium, ABS and PC housing
- Optional telescopic metal stand



Order Code	Power	Beam Angle	CCT	Lumen	Trade Price
KPWL55L54	55W	120°	6500K	<b>4800lm</b>	<b>£227.02</b>

13  
Pendant & Shade



Zinnia

244



Tulip

245



Aster

246



Calla

247

# Zinnia

Bowl-shaped shade available in black, white and clear

- Classic design with premium finishing
- E27 Bronze cable set included
- Braided adjustable cable



▲ Lamps not included

## Recommended lamps



4W  
Coated Globe(100)  
Dimmable/Non-dimmable



4W  
Coated Globe(125)  
Dimmable/Non-dimmable



2W, 4W  
Coated ST64  
Dimmable/Non-dimmable

↪ P274

## General Specification

Voltage 220-240Vac  
50-60Hz

Cable Length 1.1m (max)  
Connection Terminal block



Type	Order Code	Power	Shade Size	Lampholder	Trade Price
Black Bowl	KPDT1E27-BLK	60W	Ø 290mm x 230mm	E27	<b>£67.19</b>
White Bowl	KPDT1E27-WHT	60W	Ø 290mm x 230mm	E27	<b>£67.19</b>
Clear Bow	KPDT1E27-CLR	60W	Ø 280mm x 240mm	E27	<b>£78.04</b>

## Order Code

KPDT1E27-BLK  
KPDT1E27-WHT  
KPDT1E27-CLR

Recommended lamps



5W  
Coated Globe(100)  
Dimmable



5W  
Coated Globe(125)  
Dimmable



5W  
Coated ST64  
Dimmable

↪ P275

**General Specification**

Voltage 220-240Vac  
50-60Hz  
Cable Length 1.1m (max)  
Connection Terminal block



# Tulip

## Cone shaped shade

- Classic design with premium finishing
- E27 bronze cable set included
- Braided adjustable cable



▲ Lamps not included

**Order Code**  
KPDT2E27-CLR

Order Code	Power	Shade Size	Lampholder	Trade Price
KPDT2E27-CLR	60W	Ø 140mm x 180mm	E27	£45.15

# Aster

Dish shaped shade

- Classic design with premium finishing
- E27 bronze cable set included
  - Braided adjustable cable



▲ Lamps not included

## Recommended lamps



4W  
Coated Globe(100)  
Dimmable/Non-dimmable



4W  
Coated Globe(125)  
Dimmable/Non-dimmable



2W, 4W  
Coated ST64  
Dimmable/Non-dimmable

↶ P274

## General Specification

Voltage 220-240Vac  
50-60Hz

Cable Length 1.1m (max)

Connection Terminal block



Order Code	Power	Shade Size	Lampholder	Trade Price
KPDT3E27-BLK	60W	Ø 220mm x 70mm	E27	£47.70

Order Code

KPDT3E27-BLK



Recommended lamps



5W  
Coated Globe(100)  
Dimmable



5W  
Coated Globe(125)  
Dimmable



5W  
Coated ST64  
Dimmable

↳ P275

**General Specification**

Voltage 220-240Vac  
50-60Hz

Cable Length 1.1m (max)

Connection Terminal block



# Calla

Decorative pendant cable set with metallic finish

- Simple and elegantly designed cable sets
- Bare cable sets available in four finishes
- E27 lampholder
- Braided adjustable cable



▲ Lamps not included

**Order Code**

- KPDTCS1E27-BCH
- KPDTCS1E27-BRZ
- KPDTCS1E27-NIC
- KPDTCS1E27-RBR

Type	Order Code	Power	Lampholder	Trade Price
Black / Chrome	KPDTCS1E27-BCH	60W	E27	£19.49
Bronze	KPDTCS1E27-BRZ	60W	E27	£19.49
Nickle	KPDTCS1E27-NIC	60W	E27	£19.49
Red / Bronze	KPDTCS1E27-RBR	60W	E27	£21.05

14  
LED Commercial Lamp



K2D

251



DD

254



T8

258



Petal

260



Doughnut

261



GU10, G5.3

262



AR111/ES111

266



PAR

267



MR11

268



Filament

269



Antique  
Filament

272



Helix  
Filament

275



Decor GLS

276



Flame Lamp

279



Decor G4, G9,  
GX53, Pygmy

280



Colour Golf

282



Reon  
Classic Shape

283



Reon GU10

285



Reon R

286



Reon PAR

287

# K2D Sensor & Standard

Patent

## New Dusk to Dawn & Corridor function

 Watt &  CCT switching

### Dusk to Dawn

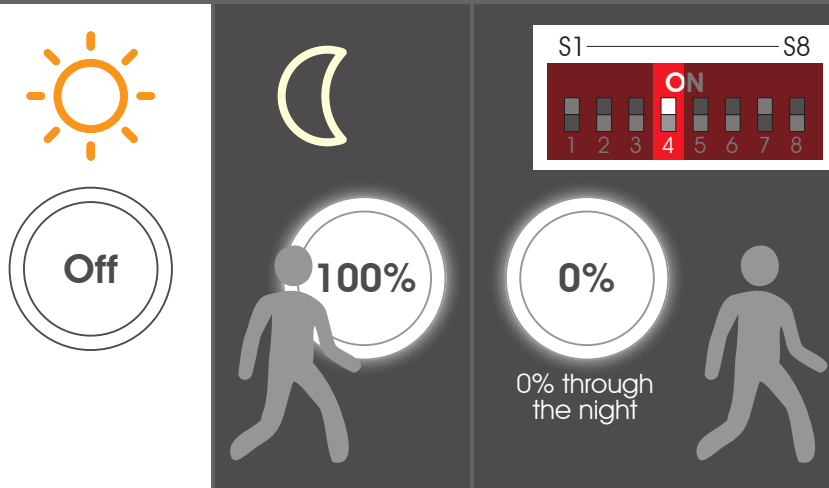


Diagram illustrating the Dusk to Dawn function. It shows a sun icon and an 'Off' button on the left. A person icon is shown with a '100%' indicator, representing full power during the day. On the right, a person icon is shown with a '0%' indicator and the text '0% through the night', representing zero power during the night. A CCT switching diagram shows a row of 8 switches labeled S1 to S8, with switch 4 highlighted in red and labeled 'ON'.

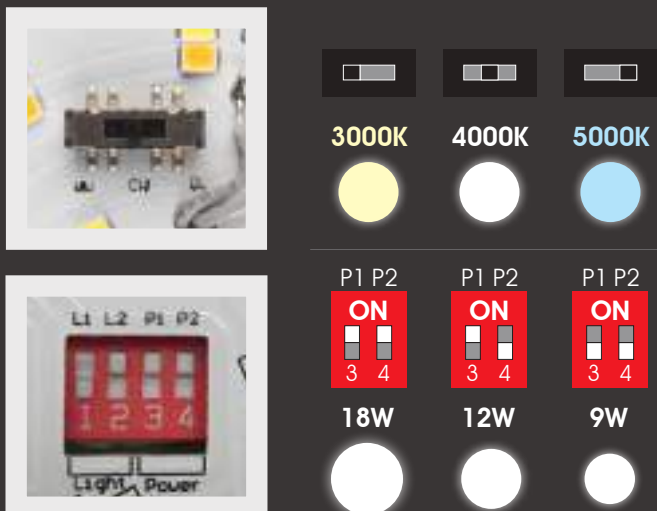


### Dusk to Dawn with Corridor function



Diagram illustrating the Dusk to Dawn with Corridor function. It shows a sun icon and an 'Off' button on the left. A person icon is shown with a '100%' indicator. In the middle, a person icon is shown with a '10%' indicator and the text '10% through the night'. On the right, a CCT switching diagram shows a row of 8 switches labeled S1 to S8, with switch 4 highlighted in red and labeled 'ON'.

### K2D Sensor



Product images and options for the K2D Sensor. The top image shows the sensor with three CCT options: 3000K (yellow), 4000K (white), and 5000K (blue). The bottom image shows the sensor with three power options: 18W (white), 12W (white), and 9W (white). Each power option includes a 'P1 P2' switch diagram with 'ON' and '3 4' labels.

### K2D Standard



Product images and options for the K2D Standard. The top image shows the standard sensor with three CCT options: 3000K (yellow), 4000K (white), and 5000K (blue). The bottom image shows the standard sensor with three power options: 18W (white), 12W (white), and 9W (white).

**5** 5 Years  
Standard Warranty

# K2D Standard

Switchable Wattage and CCT 4-pin LED DD Lamp with Emergency Option



DD Emergency Module  
P41



Lamp Holder  
DDLAMPHLD



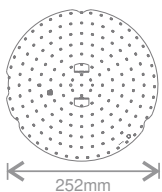
## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.84  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

## Order Code

K2DC9-18STD/4P-SCT

## Dimensions



- Wattage switchable 9W/12W/18W
- Colour temperature switchable 3000K/4000K/5000K
- Compatible with Kosnic's standard and self-test emergency modules
- Single side high lumen output for light only where it's needed
- Save energy up to 65% compared with a fluorescent lamp with magnetic ballast

Plug-in emergency

Wattage switching

CCT switching

Flicker free

Modular design

Ultra high efficiency

EM driver isolation\*

\* LED Driver and LED light source are switched off in emergency mode.



Order Code	Default Power	Alternative Power	Cap	Beam Angle	CCT	Lumen	Trade Price
	-	9W	GR10q	120°	Switchable*	<b>1080lm</b> (3000K) <b>1200lm</b> (4000K) <b>1200lm</b> (5000K)	
		12W	GR10q	120°	Switchable*	<b>1450lm</b> (3000K) <b>1600lm</b> (4000K) <b>1600lm</b> (5000K)	<b>£54.93</b>
		18W	GR10q	120°	Switchable*	<b>2200lm</b> (3000K) <b>2600lm</b> (4000K) <b>2600lm</b> (5000K)	

\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

## Accessory

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

**Patent**

# K2D Sensor

All in one sensor DD LED module for Kosnic LED bulkheads

- Built-in dusk to dawn and corridor function
  - Wattage switchable 9W/12W/18W
- Colour temperature switchable 3000K/4000K/5000K
  - Compatible with magnetic ballast
  - Compatible with Kosnic's standard and self-test emergency modules
- Single side high lumen output for light only where it's needed
- Save energy up to 65% compared with a fluorescent lamp with magnetic ballast

**5** Years Standard Warranty



DD Emergency Module P41



Lamp Holder DDLAMPPLD



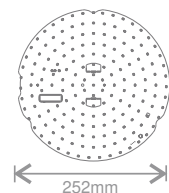
## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.78  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

## Order Code

K2DC9-18CRD/4P-SCT

## Dimensions



Plug-in emergency

Built-in corridor sensor

Dusk to dawn sensor

Wattage switching

CCT switching

Flicker free

Modular design

Ultra high efficiency

EM driver isolation\*

\* LED Driver and LED light source are switched off in emergency mode.



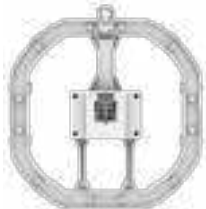
Order Code	Default Power	Alternative Power	Cap	Beam Angle	CCT	Lumen	Trade Price
	-	9W	GR10q	120°	Switchable*	1050lm (3000K) 1130lm (4000K) 1130lm (5000K)	
K2DC9-18CRD	-	12W	GR10q	120°	Switchable*	1260lm (3000K) 1430lm (4000K) 1430lm (5000K)	£96.56
	18W	-	GR10q	120°	Switchable*	1800lm (3000K) 2100lm (4000K) 2100lm (5000K)	

\* Where CCT switchable, colour temperature switches between 3000K, 4000K & 5000K

## Accessory

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPPLD	GR10q lamp holder	£3.43

Patent

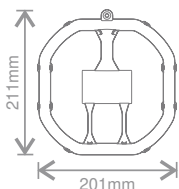
**5** 5 Years  
Standard WarrantyDD Emergency Module  
P41Lamp Holder  
DDLAMPHLD**General Specification**

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.58  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

**Order Code**

KRTDQ12HFB/4P-W27  
KRTDQ12HFB/4P-W35

KRTDQ12MGB/2P-W27  
KRTDQ12MGB/2P-W35  
KRTDQ12MGB/4P-W27  
KRTDQ12MGB/4P-W35

**Dimensions**

# K2D Retro

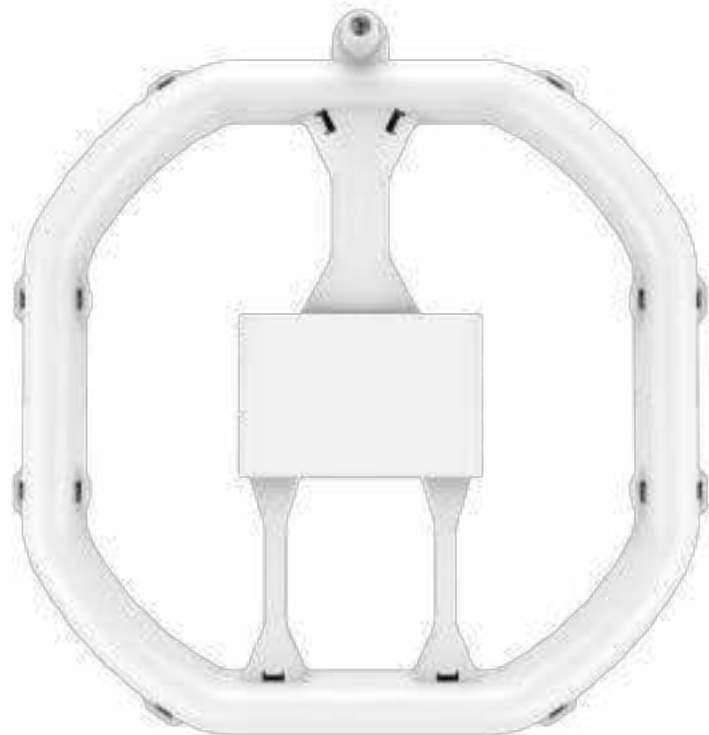
LED Retrofit replacement for Fluorescent DD lamps  
(Compatible with HF/magnetic ballast)

- Save energy by up to 65%
- Retrofit replacement of 4-pin 28W fluorescent DD lamp
- 2 versions for HF and Magnetic ballast
- Compatible with Kosnic emergency module for instant conversion

Plug-in emergency

Flicker free

Modular design



Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KRTDQ12HFB	12W	GR10q	120°	2700K 3500K	<b>1400lm</b>	<b>£36.14</b>
KRTDQ12MGB	12W	GR8 GR10q	120°	2700K 3500K	<b>1400lm</b>	<b>£38.22</b>

**Accessory**

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

**Patent**

# DD Standard

Retrofit replacement for popular CFL DD lamps

Plug-in emergency 

Flicker free 

Modular design 

EM driver isolation\* 

\* LED Driver and LED light source are switched off in emergency mode.

- Save energy by up to 65%
- Replacement for 16w, 28w, 38w fluorescent DD lamps used with magnetic ballast
- Compatible with Kosnic emergency module for instant conversion



**5** 5 Years Standard Warranty



DD Emergency Module  
P41



Lamp Holder  
DDLAMPHLD

### General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Power Factor	0.90
Life Time	30,000h
Ambient Temp	-20°C to 40°C

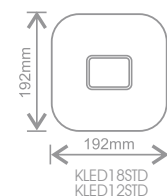
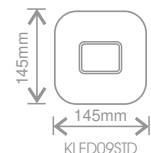
### Order Code

KLED09STD/2P-W40  
KLED09STD/4P-W40

KLED12STD/2P-W40  
KLED12STD/4P-W27  
KLED12STD/4P-W40  
KLED12STD/4P-W65

KLED18STD/4P-W27  
KLED18STD/4P-W40  
KLED18STD/4P-W65

### Dimensions



Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KLED09STD	9W	GR8 GR10q	120°	4000K	<b>1050lm</b>	<b>£34.90</b>
KLED12STD	12W	GR8 GR10q	120°	2700K 4000K 6500K	<b>1220lm</b> <b>1320lm</b> <b>1320lm</b>	<b>£47.65</b>
KLED18STD	18W	GR10q	120°	2700K 4000K 6500K	<b>1780lm</b> <b>1880lm</b> <b>1880lm</b>	<b>£51.23</b>

### Accessory

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

Patent



**5** 5 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



DD Emergency Module  
P41



Lamp Holder  
DDLAMPHLD

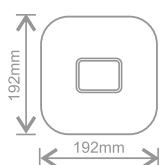
### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.97  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

### Order Code

KLED12DIMD/4P-W40

### Dimensions



# DD Dimmable

New dimmable LED DD lamps

- Save energy by up to 65%
- Dimmable with mains triac dimmable switch
- Compatible with Kosnic emergency module for instant conversion

**Plug-in emergency**

**Flicker free**

**Modular design**

**EM driver isolation\***

\* LED Driver and LED light source are switched off in emergency mode.



Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KLED12DIMD	12W	GR10q	120°	4000K	<b>1240lm</b>	<b>£56.26</b>

### Accessory

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

**Patent**

# DD Sensor

LED DD with integrated motion and light sensor

Built-in corridor sensor 

Built-in motion sensor 

Plug-in emergency 

Flicker free 

Modular design 

EM driver isolation\* 

\* LED Driver and LED light source are switched off in emergency mode.

- Integrated microwave motion sensor with optional 10% dimming corridor function
  - Save energy by up to 65%
- Compatible with Kosnic emergency module for instant conversion

**5** Years Standard Warranty



DD Emergency Module  
↳ P41



Lamp Holder  
DDLAMPHLD



## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.88  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KLED12CRD	12W	GR10q	120°	2700K 4000K 6500K	<b>1200lm</b> <b>1300lm</b> <b>1200lm</b>	<b>£90.78</b>
KLED18CRD	18W	GR10q	120°	4000K	<b>1800lm</b>	<b>£91.82</b>

## Accessory

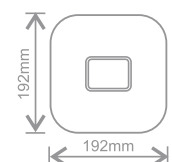
Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

**Patent**

## Order Code

KLED12CRD/4P-W27  
KLED12CRD/4P-W40  
KLED12CRD/4P-W65  
KLED18CRD/4P-W40

## Dimensions



**5** 5 Years  
Standard Warranty



DD Emergency Module  
↳ P41



Lamp Holder  
DDLAMPHLD

# DD Dusk to Dawn

LED DD with integrated daylight sensor

- Integrated daylight sensor that only detects natural light (not LED light)
- Can be used with diffuser
- Save energy by up to 65%
- Compatible with Kosnic emergency module for instant conversion

 Dusk to dawn sensor

 Plug-in emergency

 Flicker free

 Modular design

 EM driver isolation\*

\* LED Driver and LED light source are switched off in emergency mode.

## General Specification

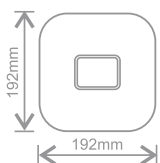
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.95  
Life Time 30,000h  
Ambient Temp -20°C to 40°C



## Order Code

KLED12DTD/4P-W40

## Dimensions



Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KLED12DTD	12W	GR10q	120°	4000K	<b>1240lm</b>	<b>£78.03</b>

## Accessory

Type	Order Code	Description	Trade Price
Lamp holder	DDLAMPHLD	GR10q lamp holder	<b>£3.43</b>

**Patent**

# Dura

Polycarbonate LED T8 tube

Ultra high efficiency



- Shatter proof with polycarbonate tube and caps
- Save energy by up to 65%

**3** 3 Years  
Standard Warranty

**⚡** 2000V  
Surge Protection



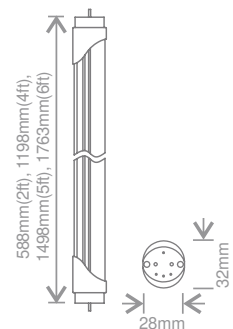
### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.95  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

### Order Code

KTC10T8-FRO-W40  
KTC10T8-FRO-W65  
  
KTC20T8-FRO-W40  
KTC20T8-FRO-W65  
  
KTC25T8-FRO-W40  
KTC25T8-FRO-W65  
  
KTC35T8-FRO-W40  
KTC35T8-FRO-W65

### Dimensions



Order Code	Power	Length	Cap	CCT	Lumen	Trade Price
KTC10T8-FRO	10W	2ft/588mm	G13	4000K 6500K	<b>1200lm</b>	<b>£33.55</b>
KTC20T8-FRO	20W	4ft/1198mm	G13	4000K 6500K	<b>2400lm</b>	<b>£46.48</b>
KTC25T8-FRO	25W	5ft/1498mm	G13	4000K 6500K	<b>3000lm</b>	<b>£59.10</b>
KTC35T8-FRO	35W	6ft/1763mm	G13	4000K 6500K	<b>4200lm</b>	<b>£71.34</b>

**3** 3 Years  
Standard Warranty

**1000V**  
Surge Protection

# Pro

## Glass LED T8 tube

- High performance of 130lm/W
- Flicker free for 2ft and 4ft T8 tubes
- Save energy by up to 65%



Flicker free



Ultra high efficiency

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.95  
Life Time 40,000h  
Ambient Temp -20°C to 40°C



### Order Code

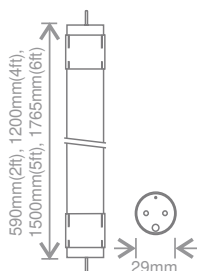
KPRO08T8-FRO-W40  
KPRO08T8-FRO-W65

KPRO17T8-FRO-W40  
KPRO17T8-FRO-W65

KPRO25T8-FRO-W40  
KPRO25T8-FRO-W65

KPRO30T8-FRO-W40  
KPRO30T8-FRO-W65

### Dimensions



Order Code	Power	Length	Cap	CCT	Lumen	Trade Price
KPRO08T8-FRO	8W	2ft/590mm	G13	4000K 6500K	<b>1050lm</b>	<b>£17.20</b>
KPRO17T8-FRO	17W	4ft/1200mm	G13	4000K 6500K	<b>2200lm</b>	<b>£21.12</b>
KPRO25T8-FRO	25W	5ft/1500mm	G13	4000K 6500K	<b>3250lm</b>	<b>£27.09</b>
KPRO30T8-FRO	30W	6ft/1765mm	G13	4000K 6500K	<b>3900lm</b>	<b>£30.37</b>

# Petal

High power LED lamps

- High power up to 60W
- Ideal for industrial and retail applications
  - E27/E40
- Long life of 30,000hrs



**3** 3 Years  
Standard Warranty

**1000V**  
Surge Protection

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.98  
Life Time 20,000h  
Ambient Temp -20°C to 50°C

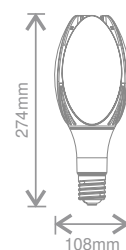
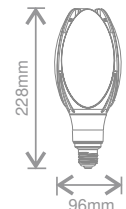
### Order Code

KHBL30PTL/E27-W22  
KHBL30PTL/E27-W50

KHBL40PTL/E40-W22  
KHBL40PTL/E40-W50

KHBL50PTL/E40-W22  
KHBL50PTL/E40-W50

### Dimensions



Order Code	Power	Cap	CCT	Lumen	Trade Price
KHBL30PTL	30W	E27	2200K	2900lm	£41.23
			5000K	3300lm	
KHBL40PTL	40W	E40	2200K	3800lm	£52.39
			5000K	4300lm	
KHBL50PTL	50W	E40	2200K	5200lm	£59.73
			5000K	5800lm	

**5** Years  
Standard Warranty

**10000V**  
Surge Protection  
(L to GND)

# Doughnut

High Power LED lamps for vertical mounting

- High 131 lm/W output
- Ideal for use in high bay luminaires
- E40 lamp cap
- Long life of 25,000h



Ultra high efficiency

## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Power Factor	>0.95
Life Time	25,000h
Ambient Temp	-20°C to 50°C

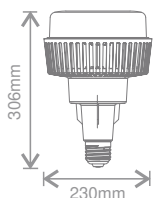
LED  
bridgelux



## Order Code

KHBL95DNT/E40-W50

## Dimensions



Order Code	Power	Cap	CCT	Lumen	Trade Price
KHBL95DNT	95W	E40	5000K	<b>12500lm</b>	<b>£193.48</b>

# Tec II

New Retrofit LED GU10 range with dim to warm option

- Uses special Dim 2 Warm technology that changes from 3000-2000K
  - Save energy up to 85%
  - Great dimming compatibility
- Direct replacement of GU10 halogen lamp



**3** 3 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



▲ 38°

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.54  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

### Dim to Warm

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KTEC5.5DTW	5.5W	GU10	38° 60°	3000-2000K	400lm(340lm)	£9.14

### Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KTEC5.5DIM	5.5W	GU10	38° 60°	2700K	400lm(340lm)	£8.63
				4000K	450lm(390lm)	
				6500K	450lm(390lm)	

### Non-Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KTEC4.5PWR	4.5W	GU10	38° 60°	2700K	400lm(340lm)	£5.36
				4000K	450lm(390lm)	
				6500K	450lm(390lm)	

\* Total lumen (lumen measured in 90°/120° Cone)

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

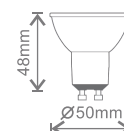
### Order Code

KTEC5.5DTW/GU10-S30  
KTEC5.5DTW/GU10-F30

KTEC5.5DIM/GU10-S27  
KTEC5.5DIM/GU10-S40  
KTEC5.5DIM/GU10-S65  
KTEC5.5DIM/GU10-F27  
KTEC5.5DIM/GU10-F40  
KTEC5.5DIM/GU10-F65

KTEC4.5PWR/GU10-S27  
KTEC4.5PWR/GU10-S40  
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KTEC4.5PWR/GU10-F65

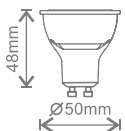
### Dimensions





**3** 3 Years  
Standard Warranty**Mains Dimmable**  
Dimmable3.5W, 4.5W, 6W  
Dimmable GU10  
Non-Dimmable GU10**General Specification**

Voltage	12Vac/dc (G5.3)
	220-240Vac
	50-60Hz (GU10)
CRI	>80
Power Factor	>0.52
Life Time	35,000h
Ambient Temp	-20°C to 40°C

**Order Code**KPRO4.5DIM/GU10-S30  
KPRO4.5DIM/GU10-S40  
KPRO4.5DIM/GU10-S65KPRO06DIM/GU10-S30  
KPRO06DIM/GU10-S40  
KPRO06DIM/GU10-S65**Dimensions**

# Pro

Comprehensive range of retrofit GU10/G5.3 LED lamps

- Save energy up to 85%
- Great Dimming compatibility
- Direct replacement of GU10 halogen lamp
- G5.3 compatible with a wide range of Halogen transformers

**Dimmable GU10**

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KPRO4.5DIM	4.5W	GU10	45°	3000K	<b>260lm(220lm)</b>	£14.20
				4000K	<b>280lm(240lm)</b>	
				6500K	<b>290lm(250lm)</b>	
KPRO06DIM	6W	GU10	45°	3000K	<b>370lm(290lm)</b>	£14.62
				4000K	<b>390lm(310lm)</b>	
				6500K	<b>400lm(320lm)</b>	

\* Total lumen (lumen measured in 90°/120° Cone)

**Non-Dimmable GU10**

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KPRO3.5PWR	3.5W	GU10	45°	3000K	<b>250lm(200lm)</b>	<b>£10.02</b>
				4000K	<b>250lm(200lm)</b>	
				6500K	<b>260lm(210lm)</b>	
KPRO4.5PWR	4.5W	GU10	45°	3000K	<b>270lm(230lm)</b>	<b>£9.99</b>
				4000K	<b>290lm(250lm)</b>	
				6500K	<b>300lm(260lm)</b>	
KPRO06PWR	6W	GU10	45°	3000K	<b>400lm(320lm)</b>	<b>£10.44</b>
				4000K	<b>420lm(340lm)</b>	
				6500K	<b>430lm(350lm)</b>	



4.5W, 6W  
Non-Dimmable G5.3

**Non-Dimmable G5.3**

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KPRO4.5PWR	4.5W	G5.3	45°	3000K	<b>260lm(210lm)</b>	<b>£12.51</b>
				4000K	<b>280lm(230lm)</b>	
				6500K	<b>280lm(230lm)</b>	
KPRO06PWR	6W	G5.3	45°	2700K	<b>330lm(250lm)</b>	<b>£13.76</b>
				4000K	<b>350lm(270lm)</b>	
				6500K	<b>350lm(270lm)</b>	



Driver for G5.3  
CW015NNC125

\* Total lumen (lumen measured in 90°/120° Cone)

**Driver**

Order Code	Description	Trade Price
CW015NNC125	15W Constant Voltage LED Driver	<b>£22.12</b>

**RF wireless triac dimmer**

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

**Order Code**

KPRO3.5PWR/GU10-S30  
KPRO3.5PWR/GU10-S40  
KPRO3.5PWR/GU10-S65

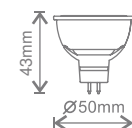
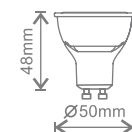
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KPRO4.5PWR/GU10-S65

KPRO06PWR/GU10-S30  
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KPRO06PWR/GU10-S65

KPRO4.5PWR/G5.3-S30  
KPRO4.5PWR/G5.3-S40  
KPRO4.5PWR/G5.3-S65

KPRO06PWR/G5.3-S30  
KPRO06PWR/G5.3-S40  
KPRO06PWR/G5.3-S65

**Dimensions**



**3** 3 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



5W, 6W  
Dimmable GU10



4W, 5W, 6W  
Non-Dimmable GU10

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.53  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

### Order Code

KSMD05DIM/GU10-F30  
KSMD05DIM/GU10-F40  
KSMD05DIM/GU10-F65

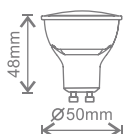
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KSMD04PWR/GU10-W65

KSMD05PWR/GU10-F30  
KSMD05PWR/GU10-F40  
KSMD05PWR/GU10-F65

KSMD06PWR/GU10-F30  
KSMD06PWR/GU10-F40  
KSMD06PWR/GU10-F65

### Dimensions



# Hilux

## High performance LED GU10 lamps

- High efficiency over 100 lumen/W
- Choices of wider beam angles of 60° & 100°
- Retrofit for direct replacement of GU10 halogen lamp



### Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KSMD05DIM	5W	GU10	60°	3000K	<b>450lm(290lm)</b>	<b>£14.22</b>
				4000K		
				6500K		
KSMD06DIM	6W	GU10	60°	3000K	<b>580lm(380lm)</b>	<b>£14.23</b>
				4000K		
				6500K		

### Non-Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KSMD04PWR	4W	GU10	100°	3000K	<b>410lm(350lm)</b>	<b>£9.18</b>
				4000K		
				6500K		
KSMD05PWR	5W	GU10	60°	3000K	<b>470lm(310lm)</b>	<b>£10.01</b>
				4000K		
				6500K		
KSMD06PWR	6W	GU10	60°	3000K	<b>600lm(400lm)</b>	<b>£10.43</b>
				4000K		
				6500K		

\* Total lumen (lumen measured in 90°/120° Cone)

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

# AR111/ES111

Replacement of halogen AR111 spotlight

- Narrow beam angle of 25°
- G53 version requires 12V LED constant voltage driver
- Save energy up to 85% compared with halogen lamp
- Negligible UV output

**3** 3 Years  
Standard Warranty



▲ G53 (AR111)



▲ GU10 (ES111)

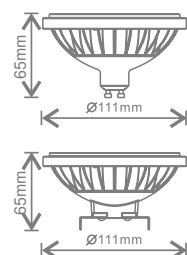
### General Specification

Voltage	12Vdc (G53)
	220-240Vac (GU10)
	50-60Hz
CRI	>80
Power Factor	>0.52
Life Time	30,000h
Ambient Temp	-20°C to 40°C

### Order Code

KDPL12AR111/GU10-S30  
KDPL12AR111/GU10-S65  
KDPL12AR111/G53-S30  
KDPL12AR111/G53-S65

### Dimensions



Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KDPL12AR111	12W	GU10	25°	3000K 6500K	<b>880lm(740lm)</b> <b>950lm(810lm)</b>	<b>£71.38</b>
KDPL12AR111	12W	G53	25°	3000K 6500K	<b>800lm(660lm)</b> <b>870lm(730lm)</b>	<b>£53.78</b>

\* Total lumen (lumen measured in 90°/120° Cone)

### Driver

Order Code	Description	Trade Price
CW015NNC125	15W Constant Voltage LED Driver	<b>£22.12</b>

**3** 3 Years  
Standard Warranty

# PAR

Retro-fit replacement of halogen PAR spotlight

- Narrow beam angle
- Save energy up to 85% compared with halogen lamp
- Negligible UV output

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.94  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

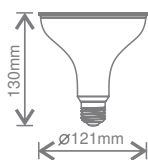
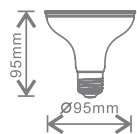


## Order Code

KTC15P38/E27-S30  
KTC15P38/E27-S65

KTC10P30/E27-S30  
KTC10P30/E27-S65

## Dimensions



Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KTC10P30	10W	E27	30°	3000K 6500K	<b>720lm(590lm)</b> <b>790lm(660lm)</b>	<b>£45.50</b>
KTC15P38	15W	E27	30°	3000K 6500K	<b>1050lm(920lm)</b> <b>1120lm(990lm)</b>	<b>£57.96</b>

\* Total lumen (lumen measured in 90°/120° Cone)

## MR11

Replacement of halogen MR11 spotlight

- Retro-fit size
- Designed to work with 12V DC constant Voltage driver
- Save energy up to 85% compared with halogen lamp
  - Negligible UV output



**3** 3 Years  
Standard Warranty

### General Specification

Voltage	12Vdc
CRI	>80
Power Factor	1.00
Life Time	30,000h
Ambient Temp	-20°C to 40°C

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
KTC02MR11	2W	GU4	38°	3000K	<b>110lm(100lm)</b>	<b>£12.22</b>
				6500K	<b>115lm(105lm)</b>	
KTC04MR11	4W	GU4	38°	3000K	<b>230lm(220lm)</b>	<b>£12.22</b>
				4000K	<b>230lm(220lm)</b>	
				6500K	<b>240lm(230lm)</b>	

\* Total lumen (lumen measured in 90°/120° Cone)

### Driver

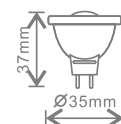
Order Code	Description	Trade Price
CYV015NNC125	15W Constant Voltage LED Driver	<b>£22.12</b>

### Order Code

KTC02MR11/GU4-S30  
KTC02MR11/GU4-S65

KTC04MR11/GU4-S30  
KTC04MR11/GU4-S40  
KTC04MR11/GU4-S65

### Dimensions



**2** Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



2W, 4W  
Clear  
Candle

2W, 4W  
Clear Bent-tip  
Candle



2W, 4W  
Clear Twisted  
Candle

2W, 4W  
Frosted  
Candle

### General Specification

Voltage 220-240Vac  
50-60Hz

CRI >80

Power Factor >0.46

Life Time 20,000h

Ambient Temp -20°C to 40°C

### Order Code

KDFL04CND/E14-CLR-N27  
KDFL04CND/B22-CLR-N27  
KDFL04CND/E27-CLR-N27

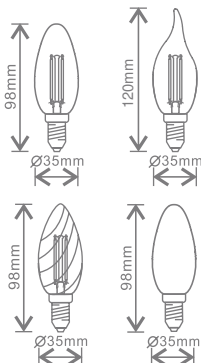
KFLM02CND/E14-CLR-N27  
KFLM02CND/B22-CLR-N27  
KFLM02CND/E27-CLR-N27  
KFLM04CND/E14-CLR-N27  
KFLM04CND/B22-CLR-N27  
KFLM04CND/E27-CLR-N27

KFLM02BTP/E14-CLR-N27  
KFLM02BTP/B22-CLR-N27  
KFLM02BTP/E27-CLR-N27  
KFLM04BTP/E14-CLR-N27  
KFLM04BTP/B22-CLR-N27  
KFLM04BTP/E27-CLR-N27

KFLM02TWT/E14-CLR-N27  
KFLM02TWT/B22-CLR-N27  
KFLM02TWT/E27-CLR-N27  
KFLM04TWT/E14-CLR-N27  
KFLM04TWT/B22-CLR-N27  
KFLM04TWT/E27-CLR-N27

KFLM02CND/E14-FRS-N27  
KFLM02CND/B22-FRS-N27  
KFLM02CND/E27-FRS-N27  
KFLM04CND/E14-FRS-N27  
KFLM04CND/B22-FRS-N27  
KFLM04CND/E27-FRS-N27

### Dimensions



# Candle

Traditional glass light bulb with LED filament

- Linear LED filament provides a traditional appearance
- Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp



### Dimmable Clear Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KDFL04CND-CLR	4W	E14 / B22 / E27	Clear	2700K	<b>400lm</b>	<b>£9.75</b>

### Clear Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02CND-CLR	2W	E14 / B22 / E27	Clear	2700K	<b>240lm</b>	<b>£4.71</b>
KFLM04CND-CLR	4W	E14 / B22 / E27	Clear	2700K	<b>440lm</b>	<b>£5.55</b>

### Clear Bent-tip Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02BTP-CLR	2W	E14 / B22 / E27	Clear	2700K	<b>190lm</b>	<b>£5.18</b>
KFLM04BTP-CLR	4W	E14 / B22 / E27	Clear	2700K	<b>380lm</b>	<b>£5.83</b>

### Clear Twisted Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02TWT-CLR	2W	E14 / B22 / E27	Clear	2700K	<b>190lm</b>	<b>£5.18</b>
KFLM04TWT-CLR	4W	E14 / B22 / E27	Clear	2700K	<b>380lm</b>	<b>£5.83</b>

### Frosted Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02CND-FRS	2W	E14 / B22 / E27	Frosted	2700K	<b>180lm</b>	<b>£6.03</b>
KFLM04CND-FRS	4W	E14 / B22 / E27	Frosted	2700K	<b>380lm</b>	<b>£6.94</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

# Golf, GLS

Traditional glass light bulb with LED filament

- Linear LED filament provides a traditional appearance
  - Dimmable option
  - Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp



**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



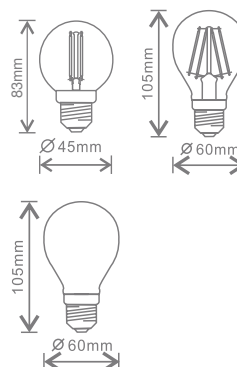
## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.50  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

## Order Code

KFLM02GLF/E14-CLR-N27  
KFLM02GLF/B22-CLR-N27  
KFLM02GLF/E27-CLR-N27  
  
KFLM04GLF/E14-CLR-N27  
KFLM04GLF/B22-CLR-N27  
KFLM04GLF/E27-CLR-N27  
  
KDFL4.5GLS/B22-CLR-N27  
KDFL4.5GLS/E27-CLR-N27  
  
KDFL07GLS/B22-CLR-N27  
KDFL07GLS/E27-CLR-N27  
  
KFLM4.5GLS/B22-CLR-N27  
KFLM4.5GLS/E27-CLR-N27  
  
KFLM07GLS/B22-CLR-N27  
KFLM07GLS/E27-CLR-N27  
  
KFLM4.5GLS/B22-FRS-N27  
KFLM4.5GLS/E27-FRS-N27  
  
KFLM07GLS/B22-FRS-N27  
KFLM07GLS/E27-FRS-N27

## Dimensions



## Clear Golf

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02GLF-CLR	2W	E14 / B22 / E27	Clear	2700K	<b>190lm</b>	<b>£4.87</b>
KFLM04GLF-CLR	4W	E14 / B22 / E27	Clear	2700K	<b>380lm</b>	<b>£5.70</b>

## Dimmable Clear GLS

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KDFL4.5GLS-CLR	4.5W	B22 / E27	Clear	2700K	<b>470lm</b>	<b>£13.38</b>
KDFL07GLS-CLR	7W	B22 / E27	Clear	2700K	<b>730lm</b>	<b>£15.69</b>

## Clear GLS

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM4.5GLS-CLR	4.5W	B22 / E27	Clear	2700K	<b>490lm</b>	<b>£6.06</b>
KFLM07GLS-CLR	7W	B22 / E27	Clear	2700K	<b>660lm</b>	<b>£8.00</b>

## Frosted GLS

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM4.5GLS-FRS	4.5W	B22 / E27	Frosted	2700K	<b>480lm</b>	<b>£7.26</b>
KFLM07GLS-FRS	7W	B22 / E27	Frosted	2700K	<b>700lm</b>	<b>£9.39</b>

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer



**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

# Globe

Traditional glass light bulb with LED filament

- Linear LED filament provides a traditional appearance
- Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp

## General Specification

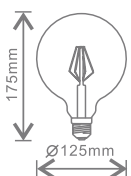
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.50  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

## Product Code

KFLM4.5GLB/B22-CLR-N27  
KFLM4.5GLB/E27-CLR-N27

KDFL4.5GLB/B22-CLR-N27  
KDFL4.5GLB/E27-CLR-N27

## Dimensions



## Clear Globe

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM4.5GLB-CLR	4.5W	B22 / E27	Clear	2700K	<b>470lm</b>	<b>£12.87</b>

## Dimmable Clear Globe

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KDFL4.5GLB-CLR	4.5W	B22 / E27	Clear	2700K	<b>470lm</b>	<b>£20.33</b>

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

# Candle

Decorative LED filament lamps with gold antique coating

- Special coating with a golden finish gives an antique appearance and creates a warm and cosy living space
- Linear LED filament provides a traditional appearance
  - Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp

**2** 2 Years  
Standard Warranty



2W, 4W  
Coated  
Candle

2W, 4W  
Coated  
Bent-tip  
Candle



4W  
Coated  
Twisted  
Candle



## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Power Factor	0.50
Life Time	20,000h
Ambient Temp	-20°C to 40°C

## Product Code

KFLM02CND/E14-GLD-N27  
KFLM02CND/B22-GLD-N27  
KFLM02CND/E27-GLD-N27

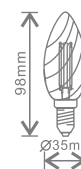
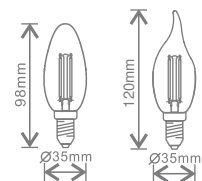
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KFLM04CND/E27-GLD-N27

KFLM02BTP/E14-GLD-N27  
KFLM02BTP/B22-GLD-N27  
KFLM02BTP/E27-GLD-N27

KFLM04BTP/E14-GLD-N27  
KFLM04BTP/B22-GLD-N27  
KFLM04BTP/E27-GLD-N27

KFLM04TWT/E14-GLD-N27  
KFLM04TWT/B22-GLD-N27  
KFLM04TWT/E27-GLD-N27

## Dimensions



### Coated Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02CND-GLD	2W	E14 / B22 / E27	Coated	2700K	170lm	£6.47
KFLM04CND-GLD	4W	E14 / B22 / E27	Coated	2700K	340lm	£7.40

### Coated Bent-tip Candle

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM02BTP-GLD	2W	E14 / B22 / E27	Coated	2700K	170lm	£6.47
KFLM04BTP-GLD	4W	E14 / B22 / E27	Coated	2700K	340lm	£7.40

### Coated Twisted Candle

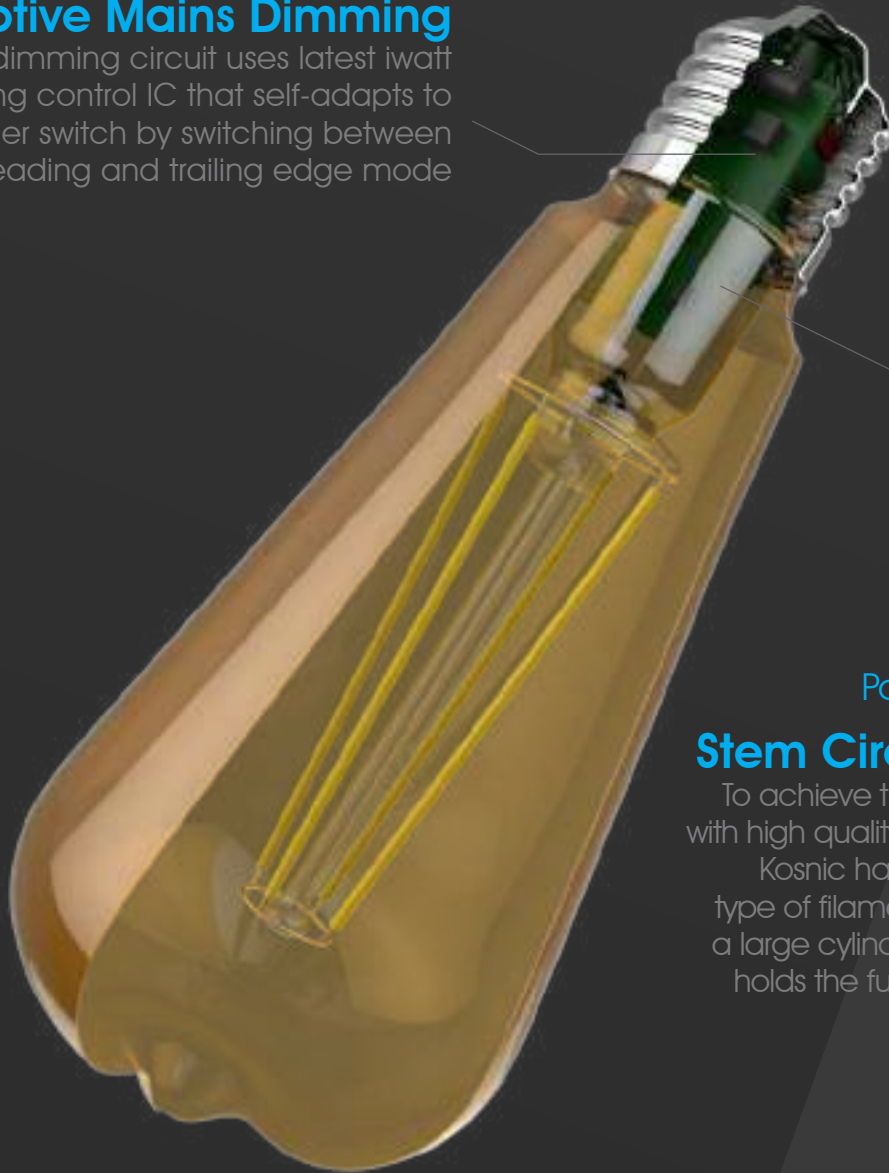
Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM04TWT-GLD	4W	E14 / B22 / E27	Coated	2700K	300lm	£7.40

# LED Filament Dimmable

**FULL GLASS** *Dimmable Vintage LED filament lamps with adaptive mains dimming technology*

## Adaptive Mains Dimming

Full dimming circuit uses latest i watt dimming control IC that self-adapts to the dimmer switch by switching between leading and trailing edge mode



Patents pending

## Stem Circuit Holder

To achieve the full glass body with high quality dimming circuit Kosnic has invented a new type of filament stem that has a large cylinder container that holds the full dimming circuit

## Flicker Free



Kosnic

Others

## Full Glass Body



Kosnic

Others

# GLS, Globe, ST64

Decorative LED filament lamps with gold antique coating

- Special coating with a golden finish gives an antique appearance and creates a warm and cosy living space
- Linear LED filament provides a traditional appearance
  - Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp



**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.50  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

## Product Code

KFLM04GLS/B22-GLD-N27  
KFLM04GLS/E27-GLD-N27

KDFL04GLS/B22-GLD-N27  
KDFL04GLS/E27-GLD-N27

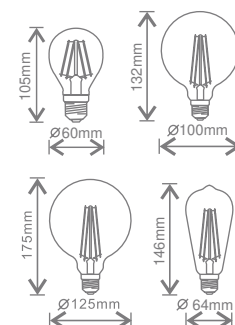
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KDFL04G100/B22-GLD-N27  
KDFL04G100/E27-GLD-N27  
KDFL04G125/B22-GLD-N27  
KDFL04G125/E27-GLD-N27

KFLM02ST64/B22-GLD-N27  
KFLM02ST64/E27-GLD-N27  
KFLM04ST64/B22-GLD-N27  
KFLM04ST64/E27-GLD-N27

KDFL04ST64/B22-GLD-N27  
KDFL04ST64/E27-GLD-N27

## Dimensions



## Coated GLS, Globe, ST64

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KFLM04GLS-GLD	4W	B22 / E27	Coated	2700K	<b>380lm</b>	<b>£8.00</b>
KFLM04G100-GLD	4W	B22 / E27	Coated	2700K	<b>380lm</b>	<b>£12.44</b>
KFLM04G125-GLD	4W	B22 / E27	Coated	2700K	<b>400lm</b>	<b>£15.69</b>
KFLM02ST64-GLD	2W	B22 / E27	Coated	2700K	<b>200lm</b>	<b>£9.15</b>
KFLM04ST64-GLD	4W	B22 / E27	Coated	2700K	<b>400lm</b>	<b>£11.11</b>

## Dimmable Coated GLS, Globe, ST64

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KDFL04GLS-GLD	4W	B22 / E27	Coated	2700K	<b>380lm</b>	<b>£14.77</b>
KDFL04G100-GLD	4W	B22 / E27	Coated	2700K	<b>380lm</b>	<b>£18.91</b>
KDFL04G125-GLD	4W	B22 / E27	Coated	2700K	<b>400lm</b>	<b>£22.18</b>
KDFL04ST64-GLD	4W	B22 / E27	Coated	2700K	<b>380lm</b>	<b>£17.64</b>

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

Coated  
GLSCoated  
Globe(100)Coated  
Globe(125)Coated  
ST64

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >84  
Power Factor 0.90  
Life Time 15,000h  
Ambient Temp -20°C to 40°C

### Product Code

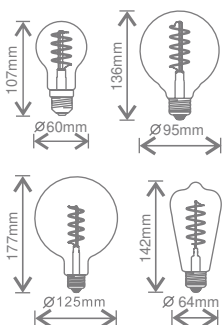
KDFL05ST64/B22-GLD-N22  
KDFL05ST64/E27-GLD-N22

KDFL05GLS/B22-GLD-N22  
KDFL05GLS/E27-GLD-N22

KDFL05G100/B22-GLD-N22  
KDFL05G100/E27-GLD-N22

KDFL05G125/B22-GLD-N22  
KDFL05G125/E27-GLD-N22

### Dimensions



# Helix Filament

Dimmable decorative LED filament lamps with gold antique coating

- Dimmable
- Special coating with a golden finish gives an antique appearance and creates a warm and cosy living space
- Helix LED filament provides a cosy and modern appearance
- Even light distribution
- Save energy up to 90% compared with an incandescent filament lamp



### Dimmable Coated GLS, Globe, ST64

Order Code	Power	Cap	Finish	CCT	Lumen	Trade Price
KDFL05ST64-GLD	5W	B22 / E27	Coated	2200K	<b>300lm</b>	<b>£12.05</b>
KDFL05GLS-GLD	5W	B22 / E27	Coated	2200K	<b>300lm</b>	<b>£11.05</b>
KDFL05G100-GLD	5W	B22 / E27	Coated	2200K	<b>300lm</b>	<b>£14.08</b>
KDFL05G125-GLD	5W	B22 / E27	Coated	2200K	<b>300lm</b>	<b>£21.26</b>

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

GLS

## High efficient LED GLS Lamps

- Dim to Warm feature available that shifts the colour temperature of the lights from 2700K to 2000K
- Save energy up to 85% compared with filament lamp
  - High lumen output upto 1500lm
  - Long life of 30,000h



**3** 3 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

### General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Power Factor	>0.51
Life Time	30,000h
Ambient Temp	-20°C to 40°C

### Order Code

KDTW10GLS/B22-N27  
KDTW10GLS/E27-N27

KDIM08GLS/B22-N30  
KDIM08GLS/B22-N40  
KDIM08GLS/B22-N65  
KDIM08GLS/E27-N30  
KDIM08GLS/E27-N40  
KDIM08GLS/E27-N65

KDIM10GLS/B22-N40  
KDIM10GLS/B22-N65  
KDIM10GLS/E27-N40  
KDIM10GLS/E27-N65

KDIM12GLS/B22-N30  
KDIM12GLS/B22-N40  
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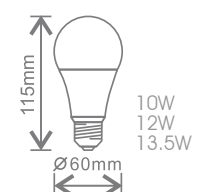
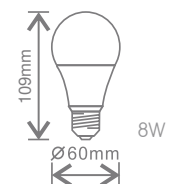
### Dim to Warm

Order Code	Power	Cap	CCT	Lumen	Trade Price
KDTW10GLS	10W	B22 E27	2700-2000K	<b>920lm</b>	<b>£21.75</b>

### Dimmable

Order Code	Power	Cap	CCT	Lumen	Trade Price
KDIM08GLS	8W	B22 E27	3000K 4000K 6500K	<b>760lm</b> <b>790lm</b> <b>790lm</b>	<b>£18.15</b>
KDIM10GLS	10W	B22 E27	4000K 6500K	<b>880lm</b> <b>920lm</b> <b>920lm</b>	<b>£19.02</b>
KDIM12GLS	12W	B22 E27	3000K 4000K 6500K	<b>1050lm</b> <b>1150lm</b> <b>1150lm</b>	<b>£21.38</b>

### Dimensions



## Non-Dimmable

Order Code	Power	Cap	CCT	Lumen	Trade Price
KTC08GLS	8W	B22 E27	3000K	<b>820lm</b>	<b>£13.39</b>
			4000K	<b>850lm</b>	
			6500K	<b>850lm</b>	
KTC10GLS	10W	B22 E27	3000K	<b>960lm</b>	<b>£13.99</b>
			4000K	<b>1000lm</b>	
			6500K	<b>1000lm</b>	
KTC12GLS	12W	B22 E27	3000K	<b>1100lm</b>	<b>£15.26</b>
			4000K	<b>1200lm</b>	
			6500K	<b>1200lm</b>	
KTC13.5GLS	13.5W	B22 E27	3000K	<b>1550lm</b>	<b>£21.51</b>
			4000K	<b>1650lm</b>	
			6500K	<b>1650lm</b>	

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

## Order Code

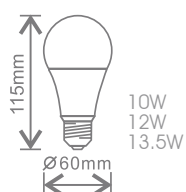
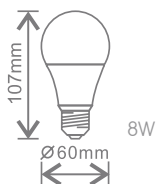
KTC08GLS/B22-N30  
KTC08GLS/B22-N40  
KTC08GLS/B22-N65  
KTC08GLS/E27-N30  
KTC08GLS/E27-N40  
KTC08GLS/E27-N65

KTC10GLS/B22-N30  
KTC10GLS/B22-N40  
KTC10GLS/B22-N65  
KTC10GLS/E27-N30  
KTC10GLS/E27-N40  
KTC10GLS/E27-N65

KTC12GLS/B22-N30  
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KTC12GLS/B22-N65  
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KTC12GLS/E27-N40  
KTC12GLS/E27-N65

KTC13.5GLS/B22-N30  
KTC13.5GLS/B22-N40  
KTC13.5GLS/B22-N65  
KTC13.5GLS/E27-N30  
KTC13.5GLS/E27-N40  
KTC13.5GLS/E27-N65

## Dimensions



# GLS

## High Power GLS Lamps

- Colour temperature of 3000K, 4000K and 6500K
- Save energy up to 85% compared with incandescent lamp
  - High lumen output upto 2450lm
  - Long life of 25,000h



**3** 3 Years  
Standard Warranty

### General Specification

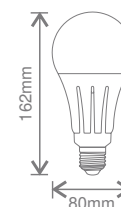
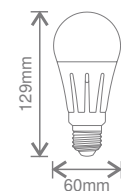
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.53  
Life Time 25,000h  
Ambient Temp -20°C to 40°C

### Order Code

KTC18GLS/B22-N30  
KTC18GLS/B22-N40  
KTC18GLS/B22-N65  
KTC18GLS/E27-N30  
KTC18GLS/E27-N40  
KTC18GLS/E27-N65

KTC22GLS/B22-N30  
KTC22GLS/B22-N40  
KTC22GLS/B22-N65  
KTC22GLS/E27-N30  
KTC22GLS/E27-N40  
KTC22GLS/E27-N65

### Dimensions



Order Code	Power	Cap	CCT	Lumen	Trade Price
KTC18GLS	18W	B22 E27	3000K 4000K 6500K	<b>1800lm</b>	<b>£18.34</b>
KTC22GLS	22W	B22 E27	3000K 4000K 6500K	<b>2450lm</b>	<b>£27.55</b>



**3** 3 Years  
Standard Warranty



Uses integrated gravity sensor to enable the flame to always glow upwards regardless of the angle of the lamp

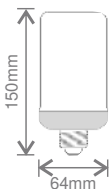
### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor 0.50  
Life Time 25,000h  
Ambient Temp -20°C to 40°C

### Order Code

KTC07FLA/E27

### Dimensions



# Flame Lamp

E27 LED Lamp with flame effect

- Realistic flame motion
- Integrated gravity sensor
- Ideal for outdoor luminaire



Order Code	Power	Cap	CCT	Lumen	Trade Price
KTC07FLA	7W	E27	1600K	<b>200lm</b>	<b>£39.06</b>

# G4, G9, GX53, Pygmy

Capsule and disk shaped LED lamps

- Save energy by up to 90%
- Replacement of halogen G4 and G9 lamps
- Replacement of CFL GX53 lamps
- Long life of 30,000hrs

**3** 3 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



1.2W G4 1.5W G4



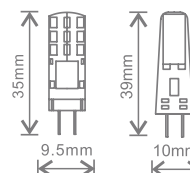
## General Specification

Voltage 12Vac/dc (G4)  
220-240Vac  
50-60Hz (G9, GX53, Pygmy)  
CRI >80  
Power Factor >0.43  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

## Order Code

KLED1.2CPL/G4-N30  
KLED1.5CPL/G4-N30

## Dimensions



## G4

Order Code	Power	Cap	CCT	Lumen	Trade Price
KLED1.2CPL	1.2W	G4	3000K	<b>80lm</b>	<b>£8.28</b>
KLED1.5CPL	1.5W	G4	3000K	<b>140lm</b>	<b>£13.17</b>



2W G9 2.5W G9



3.5W G9 2.5W Pygmy



7W, 5W GX53



3W GX53

**Order Code**

KDIM3.5CPL/G9-N30  
 KDIM3.5CPL/G9-N40  
 KDIM3.5CPL/G9-N65

KLED02CPL/G9-N30

KLED2.5CPL/G9-N30  
 KLED2.5CPL/G9-N65

KLED3.5CPL/G9-N30  
 KLED3.5CPL/G9-N65

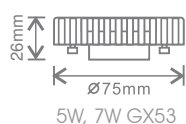
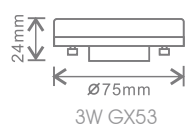
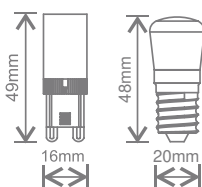
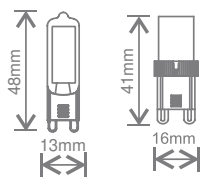
KLED03DSK/GX53-W30  
 KLED03DSK/GX53-W65

KLED05DSK/GX53-W30  
 KLED05DSK/GX53-W65

KLED07DSK/GX53-W30  
 KLED07DSK/GX53-W65

KLED2.5PYG/E14-N30  
 KLED2.5PYG/E14-N65

**Dimensions**



**Dimmable G9**

Order Code	Power	Cap	CCT	Lumen	Trade Price
KDIM3.5CPL	3.5W	G9	3000K	390lm	£16.75
			4000K	400lm	
			6500K	400lm	

**Non-Dimmable G9**

Order Code	Power	Cap	CCT	Lumen	Trade Price
KLED02CPL	2W	G9	3000K	200lm	£5.34
KLED2.5CPL	2.5W	G9	3000K	220lm	£8.94
			6500K	230lm	
KLED3.5CPL	3.5W	G9	3000K	310lm	£12.07
			6500K	320lm	

**GX53**

Order Code	Power	Cap	Beam Angle	CCT	Lumen	Trade Price
KLED03DSK	3W	GX53	/	3000K	240lm	£10.64
				6500K	280lm	
KLED05DSK	5W	GX53	100°	3000K	500lm(410lm)*	£14.42
				6500K	540lm(450lm)*	
KLED07DSK	7W	GX53	100°	3000K	650lm(540lm)*	£14.42
				6500K	690lm(570lm)*	

**Pygmy**

Order Code	Power	Cap	CCT	Lumen	Trade Price
KLED2.5PYG	2.5W	E14	3000K 6500K	190lm 200lm	£9.57

\* Total lumen (lumen measured in 90°/120° Cone)

**RF wireless triac dimmer**

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	£111.37

\* See datasheet for recommended number of lamps per dimmer

SEASONAL LINE

# Colour Golf

## Coloured LED Golf Ball Lamp

- Save energy up to 85% compared with filament lamps
- Suitable for use in outdoor festoons designed for golf ball lamps
  - Available in White, Blue, Green, Red or Yellow
  - Even light distribution
- Popular B22 and E27 caps

**3** 3 Years  
Standard Warranty


Startree Golf



### General Specification

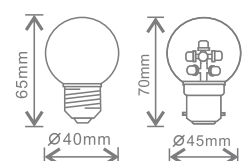
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.15  
Life Time 30,000h  
Ambient Temp -20°C to 40°C

### Order Code

KLED01GLF/B22-BL  
KLED01GLF/E27-BL  
KLED01GLF/B22-GR  
KLED01GLF/E27-GR  
KLED01GLF/B22-RE  
KLED01GLF/E27-RE  
KLED01GLF/B22-W  
KLED01GLF/E27-W  
KLED01GLF/B22-YL  
KLED01GLF/E27-YL

KSTR01GLF/B22-Blue  
KSTR01GLF/E27-Blue  
KSTR01GLF/B22-Green  
KSTR01GLF/E27-Green  
KSTR01GLF/B22-Red  
KSTR01GLF/E27-Red  
KSTR01GLF/E27-Yellow  
KSTR01GLF/B22-Orange  
KSTR01GLF/E27-Orange

### Dimensions



Order Code	Power	Cap	Colour	Trade Price
KLED01GLF	1W	B22 E27	Blue Green Red White Yellow	<b>£5.02</b>
KSTR01GLF	1W	B22 E27	Blue Green Red Orange	<b>£10.51</b>

**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable



Candle

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.80  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

### Order Code

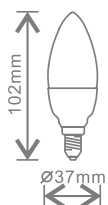
RDCND05B22-27-N  
RDCND05E14-27-N  
RDCND05E27-27-N

RLCND04B22-27-N  
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RLCND04E27-27-N

RLCND05B15-27-N  
RLCND05B22-27-N  
RLCND05E14-27-N  
RLCND05E27-27-N  
RLCND05B22-40-N  
RLCND05E14-40-N  
RLCND05E27-40-N  
RLCND05B22-65-N  
RLCND05E14-65-N  
RLCND05E27-65-N

RLCND06B22-27-N  
RLCND06E14-27-N  
RLCND06E27-27-N

### Dimensions



# Classic Shape

Classic shaped LED GLS, candle & golf

- Save energy by up to 90%
- Replacement for incandescent GLS, candle and golf lamps
- Choices of 2700K/4000K/6500K
- Dimmable options
- Long life of 20,000hrs



### Dimmable Candle

Order Code	Power	Cap	CCT	Lumen	Trade Price
RDCND05	5W	B22 E14 E27	2700K	<b>400lm</b>	<b>£7.61</b>

### Non-Dimmable Candle

Order Code	Power	Cap	CCT	Lumen	Trade Price
RLCND04	4W	B22 E14 E27	2700K	<b>320lm</b>	<b>£3.06</b>
RLCND05	5W	B15 B22 E14 E27	2700K 4000K 6500K	<b>400lm</b>	<b>£3.15</b>
RLCND06	6W	B22 E14 E27	2700K	<b>490lm</b>	<b>£5.88</b>

**Dimmable Golf**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RDGLF05	5W	E14 B22 E27	2700K	<b>410lm</b>	<b>£8.31</b>

**Non-Dimmable Golf**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RLGLF04	4W	E14 B22 E27	2700K	<b>320lm</b>	<b>£2.99</b>
RLGLF05	5W	E14 B22 E27	2700K 6500K	<b>400lm</b> <b>440lm</b>	<b>£3.15</b>

**Dimmable GLS**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RDGLS07	7W	B22 E27	2700K	<b>600lm</b>	<b>£8.86</b>
RDGLS09	9W	B22 E27	2700K	<b>810lm</b>	<b>£13.53</b>
RDGLS11	11W	B22 E27	2700K	<b>1010lm</b>	<b>£14.19</b>

**Non-Dimmable GLS**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RLGLS05	5W	B22 E27	2700K	<b>420lm</b>	<b>£3.60</b>
RLGLS07	7W	B22 E27	2700K	<b>600lm</b>	<b>£3.77</b>
RLGLS09	9W	B22 E27	2700K 4000K 6500K	<b>730lm</b> <b>940lm</b> <b>940lm</b>	<b>£4.30</b>
RLGLS11	11W	B22 E27	2700K	<b>1140lm</b>	<b>£4.86</b>

**Dimmable Globe**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RDGLB11	11W	B22 E27	2700K	<b>1040lm</b>	<b>£17.03</b>

**Non-Dimmable Globe**

Order Code	Power	Cap	CCT	Lumen	Trade Price
RLGLB11	11W	B22 E27	2700K	<b>1000lm</b>	<b>£13.58</b>

**RF wireless triac dimmer**

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer



**Order Code**

RDGLF05B22-27-N  
RDGLF05E14-27-N  
RDGLF05E27-27-N

RLGLF04B22-27-N  
RLGLF04E14-27-N  
RLGLF04E27-27-N

RLGLF05B22-27-N  
RLGLF05E14-27-N  
RLGLF05E27-27-N  
RLGLF05B22-65-N  
RLGLF05E14-65-N  
RLGLF05E27-65-N

RDGLS07B22-27-N  
RDGLS07E27-27-N

RDGLS09B22-27-N  
RDGLS09E27-27-N

RDGLS11B22-27-N  
RDGLS11E27-27-N

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RLGLS05E27-27-N

RLGLS07B22-27-N  
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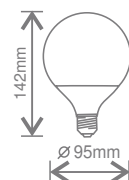
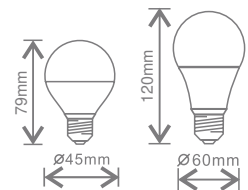
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RLGLS09E27-65-N

RLGLS11B22-27-N  
RLGLS11E27-27-N

RDGLB11B22-27-N  
RDGLB11E27-27-N

RLGLB11B22-27-N  
RLGLB11E27-27-N

**Dimensions**



**2** 2 Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

# GU10

Retrofit LED GU10 lamps

- Save energy by up to 90%
- Replacement for halogen GU10 lamps
- Dimmable options
- Long life of 20,000hrs

## General Specification

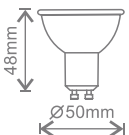
Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.54  
Life Time 20,000h  
Ambient Temp -20°C to 40°C



## Order Code

RDCOB05GU10-27-F  
RLCOB04GU10-27-F  
RLCOB04GU10-65-F

## Dimensions



## Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
RDCOB05	5W	GU10	70°	2700K	<b>360lm(280lm)</b>	<b>£7.52</b>

## Non-Dimmable GU10

Order Code	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
RLCOB04	4W	GU10	60°	2700K 6500K	<b>310lm(260lm)</b> <b>320lm(270lm)</b>	<b>£5.64</b>

\* Total lumen (lumen measured in 90°/120° Cone)

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

# Reflectors

Retrofit LED reflector lamps

- Save energy by up to 90%
- Replacement for incandescent R50, R63, R80
- Long life of 20,000hrs



**2** Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

## General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.80  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

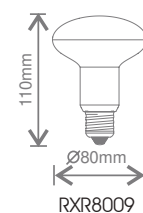
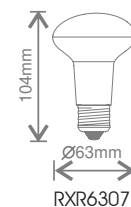
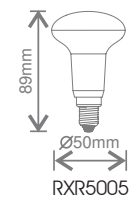
## Order Code

RDR5005E14-27-W  
RLR5005E14-27-W

RDR6307E27-27-W  
RLR6307E27-27-W

RDR8009E27-27-W  
RLR8009E27-27-W

## Dimensions



## Dimmable

Order Code	Type	Power	Cap	CCT	Lumen	Trade Price
RDR5005	R50	5W	E14	2700K	<b>420lm</b>	<b>£8.11</b>
RDR6307	R63	7W	E27	2700K	<b>660lm</b>	<b>£9.72</b>
RDR8009	R80	9W	E27	2700K	<b>850lm</b>	<b>£14.80</b>

## Non-Dimmable

Order Code	Type	Power	Cap	CCT	Lumen	Trade Price
RLR5005	R50	5W	E14	2700K	<b>360lm</b>	<b>£6.83</b>
RLR6307	R63	7W	E27	2700K	<b>560lm</b>	<b>£9.28</b>
RLR8009	R80	9W	E27	2700K	<b>800lm</b>	<b>£11.53</b>

## RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer



**2** Years  
Standard Warranty

**Mains Dimmable**  
Dimmable

### General Specification

Voltage 220-240Vac  
50-60Hz  
CRI >80  
Power Factor >0.90  
Life Time 20,000h  
Ambient Temp -20°C to 40°C

### Order Code

RDP2007E27-27-F  
RDP2007E27-65-F

RLP2007E27-27-F  
RLP2007E27-65-F

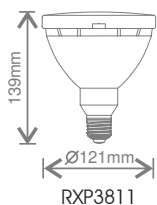
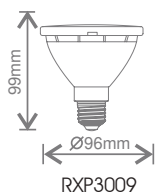
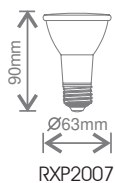
RDP3009E27-27-S  
RDP3009E27-65-S

RLP3009E27-27-S  
RLP3009E27-65-S

RDP3811E27-27-F  
RDP3811E27-65-F

RLP3811E27-27-F  
RLP3811E27-65-F

### Dimensions



# PAR

## Retrofit LED PAR lamps

- Save energy by up to 90%
- Replacement for incandescent R63, R80
- Long life of 20,000hrs
- Negligible UV output



### Dimmable

Order Code	Type	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
RDP2007	PAR20	7W	E27	50°	2700K 6500K	<b>570lm(500lm)</b>	<b>£10.80</b>
RDP3009	PAR30	9W	E27	38°	2700K 6500K	<b>870lm(780lm)</b>	<b>£15.15</b>
RDP3811	PAR38	11W	E27	50°	2700K 6500K	<b>970lm(880lm)</b>	<b>£23.46</b>

### Non-Dimmable

Order Code	Type	Power	Cap	Beam Angle	CCT	Lumen*	Trade Price
RLP3009	PAR30	9W	E27	38°	2700K 6500K	<b>800lm(710lm)</b>	<b>£13.86</b>
RLP3811	PAR38	11W	E27	50°	2700K 6500K	<b>900lm(810lm)</b>	<b>£17.90</b>

\* Total lumen (lumen measured in 90°/120° Cone)

### RF wireless triac dimmer

Order Code	Max Power	Output Current	Trade Price
CYDIMRFT1	2 x 120W (100 Vac) 2 x 288W (240 Vac)	2 x 1.2 A	<b>£111.37</b>

\* See datasheet for recommended number of lamps per dimmer

15  
CFL Lamp



Spiral

290



DD, T5C

291



S, D, T, L/E

292



T5

294

# Spiral

Spiral shaped compact fluorescent lamp

- Save energy by up to 80%
- Replacement for incandescent GLS lamp
- Long life of 10,000hrs
- Compact in size
- Fast start



## General Specification

Voltage	220-240Vac 50-60Hz
CRI	>80
Power Factor	0.55
Life Time	10,000h
Ambient Temp	-20°C to 40°C

## Order Code

ECO09SP2/B22-827	KCF07SP3/B15-827
ECO09SP2/E27-827	KCF07SP3/E14-827
	KCF07SP3/B22-827
ECO11SP2/B22-827	KCF07SP3/E14-840
ECO11SP2/E27-827	KCF07SP3/E14-865
ECO11SP2/B22-840	KCF07SP3/E27-827
ECO11SP2/E27-840	KCF07SP3/E27-840
ECO11SP2/B22-865	KCF07SP3/E27-865
ECO11SP2/E27-865	
ECO15SP2/B22-827	KCF09SP3/B15-827
ECO15SP2/E27-827	KCF09SP3/E14-827
ECO15SP2/B22-840	KCF09SP3/B22-827
ECO15SP2/E27-840	KCF09SP3/E14-840
ECO15SP2/B22-865	KCF09SP3/B22-840
ECO15SP2/E27-865	KCF09SP3/E14-865
	KCF09SP3/B22-865
	KCF09SP3/E27-827
ECO18SP2/B22-827	KCF09SP3/E27-840
ECO18SP2/E27-827	KCF09SP3/E27-865
ECO18SP2/B22-840	
ECO18SP2/E27-840	
ECO18SP2/B22-865	
ECO18SP2/E27-865	
ECO20SP2/B22-827	
ECO20SP2/E27-827	
ECO20SP2/B22-840	
ECO20SP2/E27-840	
ECO20SP2/B22-865	
ECO20SP2/E27-865	
ECO24SP1/B22-827	
ECO24SP1/E27-827	
ECO24SP1/B22-840	
ECO24SP1/E27-840	
ECO24SP1/B22-865	
ECO24SP1/E27-865	

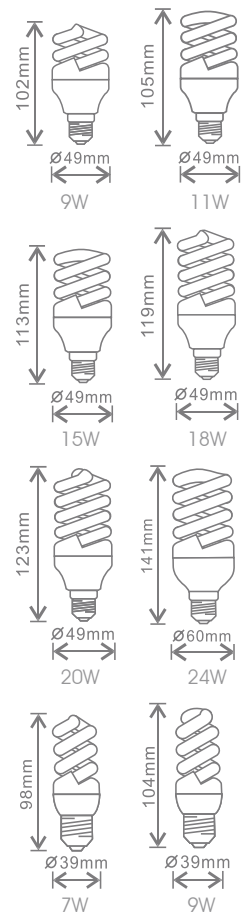
## Quick Start

Order Code	Power	Cap	CCT	Lumen	Trade Price
ECO09SP2	9W	B22 E27	2700K	<b>480lm</b>	<b>£6.95</b>
ECO11SP2	11W	B22 E27	2700K 4000K 6500K	<b>620lm</b>	<b>£6.95</b>
ECO15SP2	15W	B22 E27	2700K 4000K 6500K	<b>825lm</b>	<b>£6.95</b>
ECO18SP2	18W	B22 E27	2700K 4000K 6500K	<b>1000lm</b>	<b>£7.58</b>
ECO20SP2	20W	B22 E27	2700K 4000K 6500K	<b>1100lm</b>	<b>£7.64</b>
ECO24SP1	24W	B22 E27	2700K 4000K 6500K	<b>1400lm</b>	<b>£10.37</b>

## Extra Mini

Order Code	Power	Cap	CCT	Lumen	Trade Price
KCF07SP3	7W	B15 B22 E14 E27	2700K 4000K 6500K	<b>350lm</b>	<b>£5.81</b>
KCF09SP3	9W	B15 B22 E14 E27	2700K 4000K 6500K	<b>480lm</b>	<b>£5.83</b>

## Dimensions



# DD, T5C

Plug-in fluorescent lamps of DD and T5C

## General Specification

Voltage	230V
CRI	>80
Life Time	15,000h
Ambient Temp	-20°C to 40°C

- Save energy by up to 80%
- Long life of 15,000hrs

## Order Code

KFT16STD/2p-827  
KFT16STD/4p-827  
KFT16STD/2p-835  
KFT16STD/4p-835  
KFT16STD/2p-840  
KFT16STD/2p-865

KFT21STD/4p-835

KFT28STD/2p-827  
KFT28STD/4p-827  
KFT28STD/2p-835  
KFT28STD/4p-835  
KFT28STD/2p-865  
KFT28STD/4p-840  
KFT28STD/4p-865

KFT38STD/4p-827  
KFT38STD/4p-835  
KFT38STD/4p-840

KFT55STD/4p-827  
KFT55STD/4p-835  
KFT55STD/4p-840

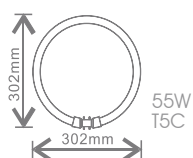
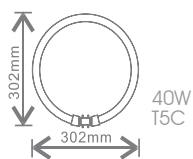
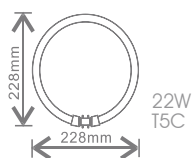
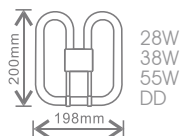
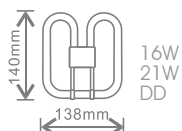
KFT22STC/4p-840

KFT40STC/4p-840

KFT55STC/4p-840



## Dimensions



## DD

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT16STD	16W	2pin(GR8) 4Pin(GR10q)	2700K	<b>1050lm</b>	<b>£4.99</b>
			3500K		
			4000K		
			4000K		
			6500K		
KFT21STD	21W	4Pin(GR10q)	3500K	<b>1350lm</b>	<b>£5.21</b>
KFT28STD	28W	2pin(GR8) 4Pin(GR10q)	2700K	<b>2050lm</b>	<b>£8.58</b>
			3500K		
			4000K		
			6500K		
KFT38STD	38W	4Pin(GR10q)	2700K	<b>2850lm</b>	<b>£9.33</b>
			3500K		
			4000K		
KFT55STD	55W	4Pin(GR10q)	2700K 3500K 4000K	<b>3900lm</b>	<b>£10.00</b>

## T5C

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT22STC	22W	4pin(2GX13)	4000K	<b>1900lm</b>	<b>£9.00</b>
KFT40STC	40W	4pin(2GX13)	4000K	<b>3400lm</b>	<b>£11.47</b>
KFT55STC	55W	4pin(2GX13)	4000K	<b>4300lm</b>	<b>£11.91</b>

# S, D, T, L/E

Plug-in fluorescent Lamps of S, D, T, L/E

- Save energy by up to 80%
- Long life of 12,000hrs



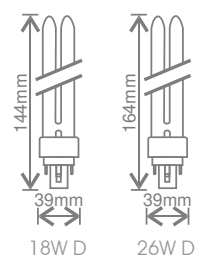
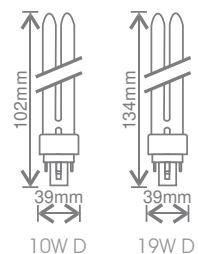
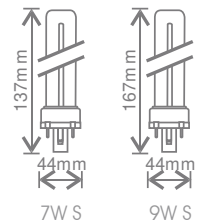
## General Specification

Voltage	230V
CRI	>80
Life Time	12,000h
Ambient Temp	-20°C to 40°C

## Order Code

- KFT07ST1/2p-840
- KFT09ST1/2p-840
- KFT11ST1/2p-840
- KFT10ST2/2p-840
- KFT10ST2/4p-840
- KFT13ST2/2p-840
- KFT13ST2/4p-840
- KFT18ST2/2p-840
- KFT18ST2/4p-840
- KFT26ST2/2p-840
- KFT26ST2/4p-840

## Dimensions



## S

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT07ST1	7W	2pin(G23)	4000K	<b>400lm</b>	<b>£3.14</b>
KFT09ST1	9W	2pin(G23)	4000K	<b>600lm</b>	<b>£3.41</b>
KFT11ST1	11W	2pin(G23)	4000K	<b>880lm</b>	<b>£3.73</b>

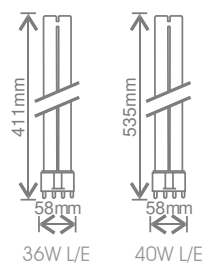
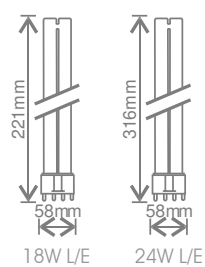
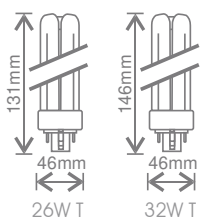
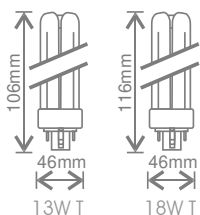
## D

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT10ST2	10W	2pin(G24d-1) 4pin(G24q-1)	4000K	<b>620lm</b>	<b>£4.19</b>
KFT13ST2	13W	2pin(G24d-1) 4pin(G24q-1)	4000K	<b>900lm</b>	<b>£4.24</b>
KFT18ST2	18W	2pin(G24d-2) 4pin(G24q-2)	4000K	<b>1200lm</b>	<b>£4.49</b>
KFT26ST2	26W	2pin(G24d-3) 4pin(G24q-3)	4000K	<b>1780lm</b>	<b>£5.01</b>

## Order Code

KFT13ST3/4p-840  
 KFT18ST3/4p-840  
 KFT26ST3/4p-840  
 KFT32ST3/4p-840  
 KFT42ST3/4p-840  
 KFT18STL/4p-840  
 KFT24STL/4P-840  
 KFT36STL/4P-840  
 KFT40STL/4P-840  
 KFT55STL/4P-840

## Dimensions



## T

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT13ST3	13W	4pin(GX24q-1)	4000K	<b>890lm</b>	<b>£5.41</b>
KFT18ST3	18W	4pin(GX24q-2)	4000K	<b>1200lm</b>	<b>£5.39</b>
KFT26ST3	26W	4pin(GX24q-3)	4000K	<b>1780lm</b>	<b>£6.26</b>
KFT32ST3	32W	4pin(GX24q-3)	4000K	<b>2400lm</b>	<b>£7.09</b>
KFT42ST3	42W	4pin(GX24q-4)	4000K	<b>3200lm</b>	<b>£7.98</b>

## L/E

Order Code	Power	Cap	CCT	Lumen	Trade Price
KFT18STL	18W	4pin(2G11)	4000K	<b>1250lm</b>	<b>£4.53</b>
KFT24STL	24W	4pin(2G11)	4000K	<b>1800lm</b>	<b>£5.14</b>
KFT36STL	36W	4pin(2G11)	4000K	<b>2400lm</b>	<b>£6.63</b>
KFT40STL	40W	4pin(2G11)	4000K	<b>3500lm</b>	<b>£7.45</b>
KFT55STL	55W	4pin(2G11)	4000K	<b>4800lm</b>	<b>£7.45</b>

# T5

## Fluorescent T5 tubes

- Save energy by up to 80%
- Long life of 24,000hrs



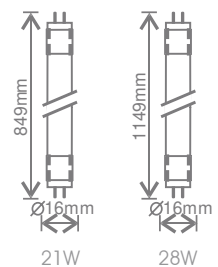
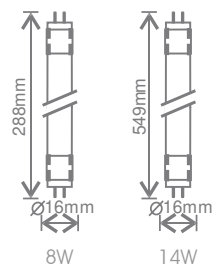
### General Specification

Voltage	230V
CRI	>80
Life Time	24,000h
Ambient Temp	-20°C to 40°C

### Order Code

- KFT08T5/840
- KFT14T5/840
- KFT21T5/840
- KFT28T5/840
- KFT35T5/840

### Dimensions



### T5 High Efficiency

Order Code	Power	Cap	Length	CCT	Lumen	Trade Price
KFT08T5	8W	G5	288mm	4000K	<b>450lm</b>	<b>£2.29</b>
KFT14T5	14W	G5	549mm	4000K	<b>1200lm</b>	<b>£3.26</b>
KFT21T5	21W	G5	849mm	4000K	<b>1850lm</b>	<b>£3.90</b>
KFT28T5	28W	G5	1149mm	4000K	<b>2600lm</b>	<b>£4.83</b>
KFT35T5	35W	G5	1449mm	4000K	<b>3300lm</b>	<b>£7.46</b>



## T5 High Output

Order Code	Power	Cap	Length	CCT	Lumen	Trade Price
KFT24T5HO	24W	G5	549mm	4000K	<b>1750lm</b>	<b>£4.40</b>
KFT39T5HO	39W	G5	849mm	4000K	<b>3300lm</b>	<b>£5.15</b>
KFT49T5HO	49W	G5	1449mm	4000K	<b>4500lm</b>	<b>£7.46</b>
KFT54T5HO	54W	G5	1149mm	4000K	<b>4650lm</b>	<b>£5.89</b>

## Order Code

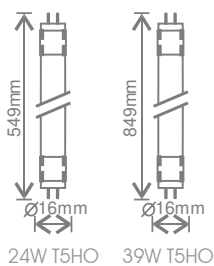
KFT24T5HO/840

KFT39T5HO/840

KFT49T5HO/840

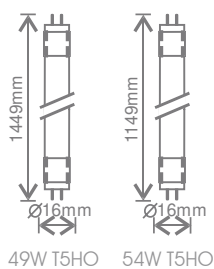
KFT54T5HO/840

## Dimensions



24W T5HO

39W T5HO



49W T5HO

54W T5HO



# HALO Lamp



G9, G4

298

# G9, G4

- Save energy by up to 30%
  - CRI of 100Ra
- Operating life of 2,000hrs



## General Specification

Voltage	12V (G4)
	220-240Vac
	50-60Hz (G9)
CRI	100
Power Factor	1.00
Life Time	2,000h
Ambient Temp	-20°C to 40°C

### G9

Order Code	Power	Cap	CCT	Lumen	Trade Price
KHS18CPL	18W	G9	3000K	<b>205lm</b>	<b>£1.77</b>
KHS28CPL	28W	G9	3000K	<b>370lm</b>	<b>£1.77</b>
KHS42CPL	42W	G9	3000K	<b>630lm</b>	<b>£1.77</b>

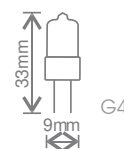
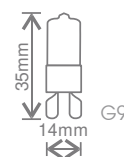
### G4

Order Code	Power	Cap	CCT	Lumen	Trade Price
KHL07CPL	7W	G4	3000K	<b>90lm</b>	<b>£1.34</b>
KHL14CPL	14W	G4	3000K	<b>235lm</b>	<b>£1.36</b>

### Order Code

KHS18CPL/G9-CLE  
 KHS28CPL/G9-CLE  
 KHS42CPL/G9-CLE  
 KHL07CPL/G4-CLE  
 KHL14CPL/G4-CLE

### Dimensions

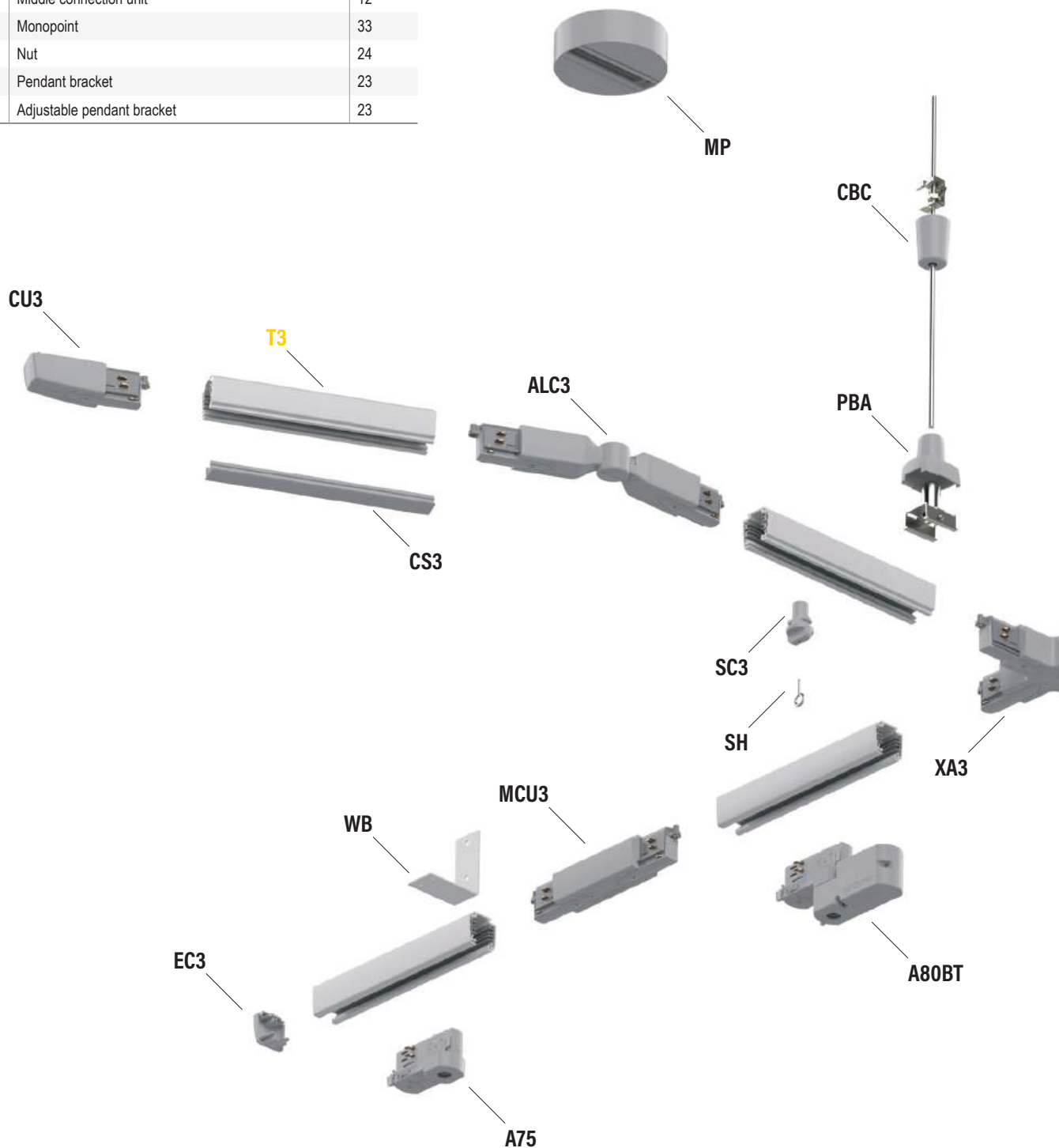


**unipro**<sup>®</sup>

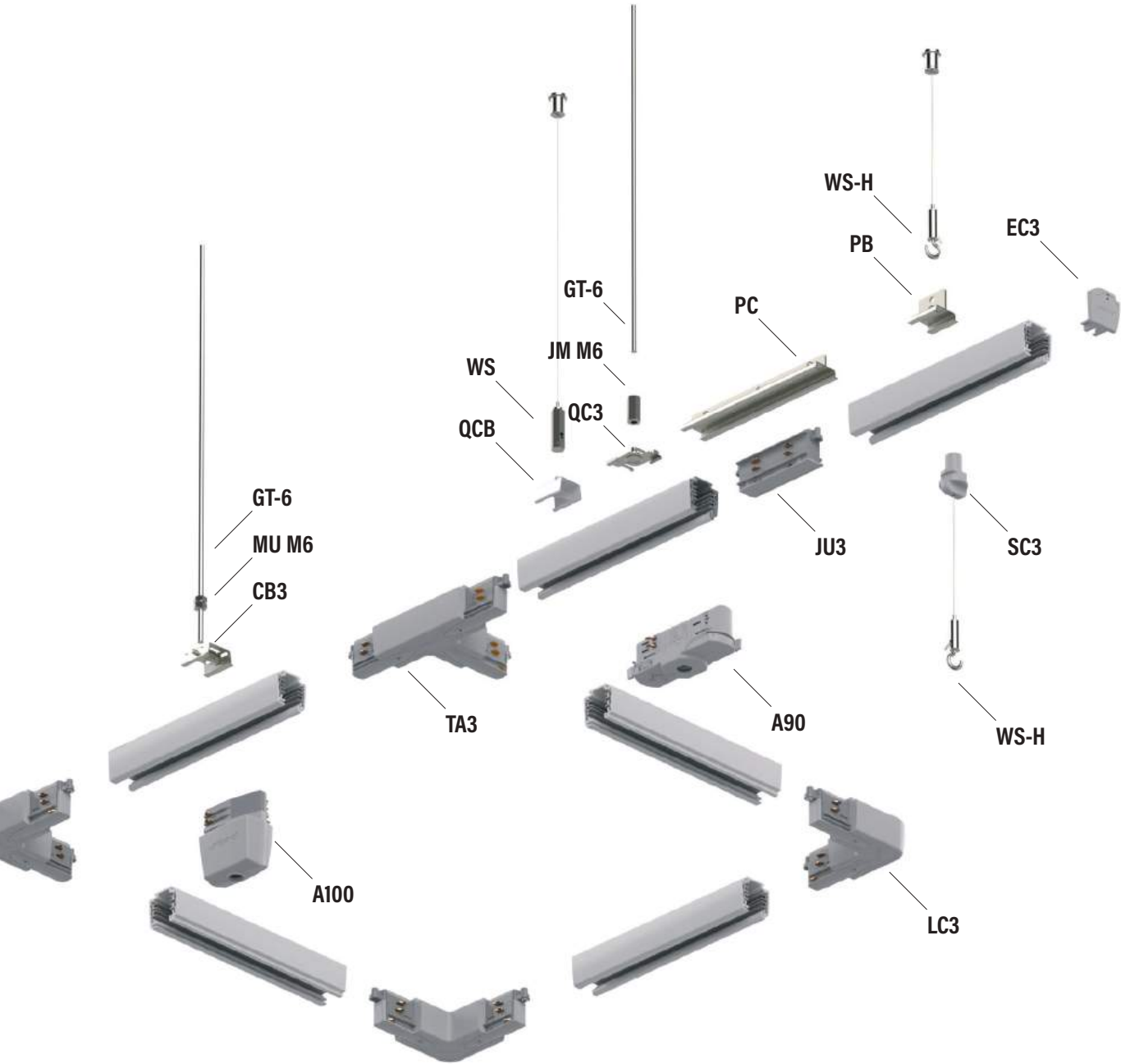
Reference

Name	Product	Page
A100	Power take-off adapter	26
A75	Luminaire adapter	31
A80BT	Bluetooth control unit	31
A90	Valaisinadapteri	31
ALC3	Adjustable corner piece	13
CBC	Kupillinen kattoriipustin	23
CS3	Cover strip	21
CU3	Connection unit	12
EC3	End cap	21
GT-6	Threaded rod M6	24
JM M6	Extension nut	24
JU3	Jointing unit	12
LC3	L-piece	13
MCU3	Middle connection unit	12
MP	Monopoint	33
MU M6	Nut	24
PB	Pendant bracket	23
PBA	Adjustable pendant bracket	23

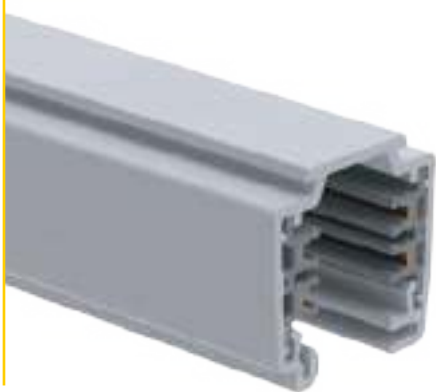
Name	Product	Page
PC	Pendant coupler	23
QC3	Quick connector	22
QCB	Quick ceiling bracket	22
SC3	Suspension clamp	24
SH	Suspension hook	24
T3	3-circuit lighting track	11
TA3	T-piece	13
WB	Wall bracket	24
WS	Wire suspension set	24
WS-H	Adjustable wire suspension set with hook	24
XA3	X-piece	13



# 3-circuit lighting track system



## Surface 3-phase lighting tracks



Code	Name	Product
1459102	UNIPRO T32W	3-phase lighting track, white, 2 meters (surface)
1459103	UNIPRO T33W	3-phase lighting track, white, 3 meters (surface)
1459104	UNIPRO T34W	3-phase lighting track, white, 4 meters (surface)
1459232	UNIPRO T32G	3-phase lighting track, grey, 2 meters (surface)
1459233	UNIPRO T33G	3-phase lighting track, grey, 3 meters (surface)
1459234	UNIPRO T34G	3-phase lighting track, grey, 4 meters (surface)
1459302	UNIPRO T32B	3-phase lighting track, black, 2 meters (surface)
1459303	UNIPRO T33B	3-phase lighting track, black, 3 meters (surface)
1459304	UNIPRO T34B	3-phase lighting track, black, 4 meters (surface)
1459202	UNIPRO T32AD	3-phase lighting track, anodised, 2 meters (surface)
1459203	UNIPRO T33AD	3-phase lighting track, anodised, 3 meters (surface)
1459204	UNIPRO T34AD	3-phase lighting track, anodised, 4 meters (surface)

16 A | 250/400 VAC | 50 Hz | CLASS 1 IP20

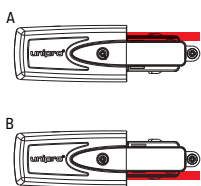
## Recessed 3-phase lighting tracks



Code	Name	Product
1459112	UNIPRO T32FW	3-phase lighting track, white, 2 meters (recessed)
1459113	UNIPRO T33FW	3-phase lighting track, white, 3 meters (recessed)
1459114	UNIPRO T34FW	3-phase lighting track, white, 4 meters (recessed)
1459182	UNIPRO T32FG	3-phase lighting track, grey, 2 meters (recessed)
1459183	UNIPRO T33FG	3-phase lighting track, grey, 3 meters (recessed)
1459184	UNIPRO T34FG	3-phase lighting track, grey, 4 meters (recessed)
1459312	UNIPRO T32FB	3-phase lighting track, black, 2 meters (recessed)
1459313	UNIPRO T33FB	3-phase lighting track, black, 3 meters (recessed)
1459314	UNIPRO T34FB	3-phase lighting track, black, 4 meters (recessed)
1459212	UNIPRO T32FAD	3-phase lighting track, anodised, 2 meters (recessed)
1459213	UNIPRO T33FAD	3-phase lighting track, anodised, 3 meters (recessed)
1459214	UNIPRO T34FAD	3-phase lighting track, anodised, 4 meters (recessed)

16 A | 250/400 VAC | 50 Hz | CLASS 1 IP20

## Connection unit unipro® CU3



Code	Name	Product
1459121	UNIPRO CU3AW	Connection unit, white (earthing A)
1459122	UNIPRO CU3BW	Connection unit, white (earthing B)
1459221	UNIPRO CU3AG	Connection unit, grey (earthing A)
1459222	UNIPRO CU3BG	Connection unit, grey (earthing B)
1459321	UNIPRO CU3AB	Connection unit, black (earthing A)
1459322	UNIPRO CU3BB	Connection unit, black (earthing B)

Power supply option. Select the correct earthing option. Screw terminals for 3x1,5mm<sup>2</sup> - 5x2,5mm<sup>2</sup> wires. Compatible with 3-circuit system.

## Middle connection unit unipro® MCU3



Code	Name	Product
1459131	UNIPRO MCU3W	Middle connection unit, white
1459231	UNIPRO MCU3G	Middle connection unit, grey
1459331	UNIPRO MCU3B	Middle connection unit, black

Power supply option. Screw terminals for 3x1,5mm<sup>2</sup> - 5x2,5mm<sup>2</sup> wires. Compatible with 3-circuit system.



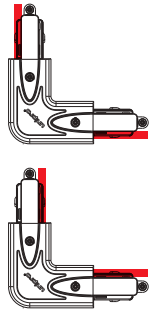
## Joining unit unipro® JU3



Code	Name	Product
1459199	UNIPRO JU3	Joining unit

Joining unit for unipro® -T3 series lighting tracks. Product comes with grey and black covers, cover can be installed by pressing it on top of the joining unit. Compatible with 3-circuit system.

## L-piece unipro® LC3



Code	Name	Product
1459141	UNIPRO LC3W	L-piece, white
1459241	UNIPRO LC3G	L-piece, grey
1459341	UNIPRO LC3B	L-piece, black

Power supply option. The earthing line position can be changed on site, by screwing the lid open, turning the frame by 180°, and by screwing the lid back on. Screw terminals for 3x1,5mm<sup>2</sup> - 5x2,5mm<sup>2</sup> wires. Compatible with 3-circuit system.

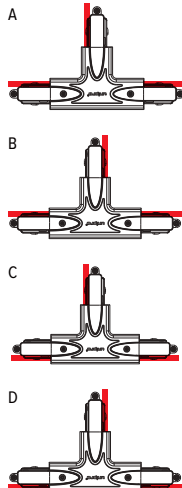
## Adjustable corner unipro® ALC3



Code	Name	Product
1459151	UNIPRO ALC3W	Adjustable corner, white
1459251	UNIPRO ALC3G	Adjustable corner, grey
1459351	UNIPRO ALC3B	Adjustable corner, black

Horizontal adjustment range 0 ± 120°. Compatible with 3-circuit system.

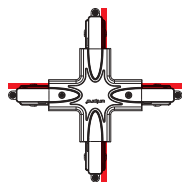
## T-piece unipro® TA3



Code	Name	Product
1459161	UNIPRO TA3AW	T-piece, white (earthing A)
1459162	UNIPRO TA3BW	T-piece, white (earthing B)
1459163	UNIPRO TA3CW	T-piece, white (earthing C)
1459164	UNIPRO TA3DW	T-piece, white (earthing D)
1459261	UNIPRO TA3AG	T-piece, grey (earthing A)
1459262	UNIPRO TA3BG	T-piece, grey (earthing B)
1459263	UNIPRO TA3CG	T-piece, grey (earthing C)
1459264	UNIPRO TA3DG	T-piece, grey (earthing D)
1459361	UNIPRO TA3AB	T-piece, black (earthing A)
1459362	UNIPRO TA3BB	T-piece, black (earthing B)
1459363	UNIPRO TA3CB	T-piece, black (earthing C)
1459364	UNIPRO TA3DB	T-piece, black (earthing D)

Power supply option. Select the correct earthing option. Screw terminals for 3x1,5mm<sup>2</sup> - 5x2,5mm<sup>2</sup> wires. Compatible with 3-circuit system.

## X-unit unipro® XA3



Code	Name	Product
------	------	---------

1459171	UNIPRO XA3W	X-piece, white
1459271	UNIPRO XA3G	X-piece, grey
1459371	UNIPRO XA3B	X-piece, black

Power supply option. Screw terminals for 3x1,5mm<sup>2</sup> - 5x2,5mm<sup>2</sup> wires. Compatible with 3-circuit system.

## End cap unipro® EC3



Code	Name	Product
------	------	---------

1459181	UNIPRO EC3W	End cap, white
1459281	UNIPRO EC3G	End cap, grey
1459381	UNIPRO EC3B	End cap, black

End cap for T3-lighting tracks. Compatible with 3-circuit system.

## Cover plate unipro® CP3



Code	Name	Product
------	------	---------

1459191	UNIPRO CP3W	Cover plate, white
1459291	UNIPRO CP3G	Cover plate, grey
1459391	UNIPRO CP3B	Cover plate, black

Cover plates are used in recessed lighting track systems, to cover the CU and MCU connection units, and the L-, T- and X-pieces. The cover plate can be folded to the shape suitable for covering the parts to be hidden. Compatible with 3-circuit system.

## Cover strip unipro® CS3



Code	Name	Product
------	------	---------

1459444	UNIPRO CS3W	Cover strip, white
1459445	UNIPRO CS3B	Cover strip, black

Cover strip for unipro® lighting tracks. Length 2m.

## Quick ceiling bracket unipro® QCB



Code	Name	Product
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1459421	UNIPRO QCB W	Quick ceiling bracket, white
1459422	UNIPRO QCB G	Quick ceiling bracket, grey
1459423	UNIPRO QCB B	Quick ceiling bracket, black

Fast to install without tools. Can be used with the wire suspension set WS, and threaded rod GT-6 L=1000 EG with extension nut JM M6 EG. Pull strength 150 N (15kg). Compatible with 3-circuit / Control-DALI systems.

## Quick connector unipro® QC3



Code	Name	Product
1459100	UNIPRO QC3G	Quick connector

Fast to install without tools. Can be used with the wire suspension set WS, and threaded rod GT-6 L=1000 EG with extension nut JM M6 EG. Pull strength 80 N (8kg). Compatible with 3-circuit / Control-DALI systems.

## Ceiling bracket unipro® CB3



Code	Name	Product
1459401	UNIPRO CB3W	Ceiling bracket, white
1459402	UNIPRO CB3G	Ceiling bracket, grey
1459403	UNIPRO CB3B	Ceiling bracket, black

Steel. Can be used with the wire suspension set WS and the threaded rod GT-6 L=1000 EG. Pull strength 200 N (20kg). Compatible with 3-circuit / Control-DALI systems.

## Ceiling bracket unipro® CB3 T-BAR



Code	Name	Product
1459451	UNIPRO CB3W T-BAR	Ceiling bracket for T-bar, white
1459452	UNIPRO CB3G T-BAR	Ceiling bracket for T-bar, grey
1459453	UNIPRO CB3B T-BAR	Ceiling bracket for T-bar, black

Steel. Can be attached directly to 24mm T-bar. Pull strength 50 N (5kg). Compatible with 3-circuit / Control-DALI systems.

## Pendant bracket unipro® PB



Code	Name	Product
1459407	UNIPRO PB W	Pendant bracket, white
1459408	UNIPRO PB G	Pendant bracket, grey
1459409	UNIPRO PB B	Pendant bracket, black

Steel. Can be used with the hooked wire suspension set WS40H, or just with wires. Pull strength 200 N (20kg). Compatible with 3-circuit / Control-DALI systems.

## Pendant coupler unipro® PC



Code	Name	Product
1459431	UNIPRO PC W	Pendant coupler, white
1459432	UNIPRO PC G	Pendant coupler,, grey
1459433	UNIPRO PC B	Pendant coupler,, black

Steel. Recommended to be used where two tracks have been joined with the jointing unit JU3 or CJU3. Pull strength 200 N (20kg). Compatible with 3-circuit / Control-DALI systems.

## Adjustable pendant bracket unipro® PBA



Code	Name	Product
1459404	UNIPRO PBA W	Adjustable pendant bracket, white
1459405	UNIPRO PBA G	Adjustable pendant bracket, grey
1459406	UNIPRO PBA B	Adjustable pendant bracket, black

Adjustment range 0-30mm. Can be used with the threaded rod GT-6 L=1000 EG. Pull strength 200 N (20kg). Compatible with 3-circuit / Control-DALI systems.

## Ceiling bracket with cup unipro® CBC



Code	Name	Product
1459434	UNIPRO CBC W	Ceiling bracket with cup, white
1459435	UNIPRO CBC B	Ceiling bracket with cup, black

Can be used with the threaded rod GT-6 L=1000 EG. Pull strength 100 N (10kg). Compatible with 3-circuit / Control-DALI systems.

## Wall bracket unipro® WB



Code	Name	Product
1459436	UNIPRO WB W	Wall bracket, white
1459437	UNIPRO WB B	Wall bracket, black

Steel. Recommended to be used with ceiling bracket CB3. Pull strength 30 N (3kg). Compatible with 3-circuit / Control-DALI systems.

## Suspension clamp unipro® SC3 and suspension hook SH

SH

SC3



Code	Name	Product
1459440	UNIPRO SC3W	Suspension clamp, white
1459441	UNIPRO SC3G	Suspension clamp, grey
1459442	UNIPRO SC3B	Suspension clamp, black

## Wire suspension set unipro® WS



Code	Name	Product
1459410	UNIPRO WS15	Adjustable wire suspension set, length 1,5m
1459411	UNIPRO WS40	Adjustable wire suspension set, length 4,0m
1459412	UNIPRO WS60	Adjustable wire suspension set, length 6,0m
1459415	UNIPRO WS15 B	Adjustable wire suspension set, black, length 1,5m
1459416	UNIPRO WS40 B	Adjustable wire suspension set, black, length 4,0m
1459414	UNIPRO WS40H	Adjustable wire suspension set with hook, length 4,0m

WS sets intended for the CB3, QC3 and QCB brackets. WS40H is intended for the PB and PC brackets. WS pull strength 150N (15kg), WS40H pull strength 100 N (10kg)

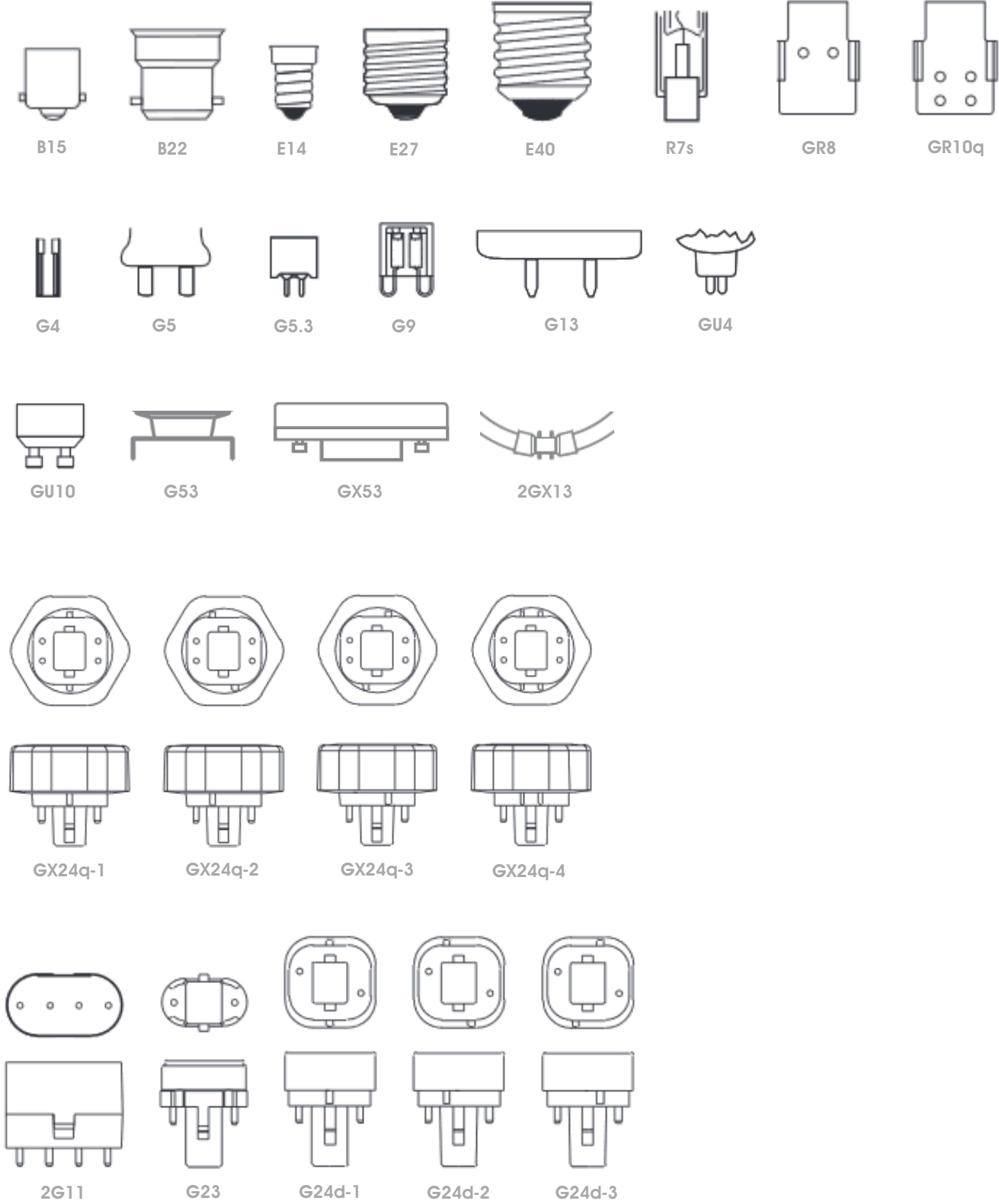
## Other mounting equipment



Code	Name	Product
1459420	GT-6 L=1000 EG	Threaded rod M6, length 1,0m
1459426	SS-6 W	Plastic tube for the threaded rod M6, white
1459425	JM M6 EG	Extension nut for threaded rod M6
1459427	MU M6 EG	Electro-galvanised nut M6

# Cap (lamp Bases)

Summary of the different caps available. For more information, do not hesitate to contact us.



# IP, Ingress Protection

IPxx	1st digit – Solid Bodies	2nd digit – Liquid
0	No protection	No protection
1	Protection against solid bodies greater than 50mm	Protection against vertical drops of water on a device in normal position
2	Protection against solid bodies larger than 12mm	Protection against drops of water with an inclination of 15 ° maximum compared to the normal position, for one side
3	Protection against solid bodies larger than 2,5mm	Protection against rainwater if it does not have an angle of more than 60 ° with the vertical
4	Protection against solid bodies larger than 1mm	Protection against splashing water
5	Protection against dust deposits	Protection against spraying water jets
6	Protection against the penetration of dust (waterproof)	Protection against water waves, powerful jets
7		Protection against temporary immersion
8		Protection against prolonged immersion

# IK, Impact resistance index

IKxx	Definition
0	No Protection
01	Protected against a shock equivalent to falling from a weight of 150g to a height of 10cm
02	Protected against a shock equivalent to falling from a weight of 200g to a height of 10cm
03	Protected against a shock equivalent to falling from a weight of 250g to a height of 15cm
04	Protected against a shock equivalent to falling from a weight of 250g to a high of 20cm
05	Protected against a shock equivalent to falling from a weight of 350g to a high of 20cm
06	Protected against a shock equivalent to falling from a weight of 250g to a height of 40cm
07	Protected against shock equivalent to falling from a weight of 500g to a height of 40cm
08	Protected against a shock equivalent to falling from a weight of 1250g to a height of 40cm
09	Protected against a shock equivalent to falling from a weight of 2500g to a height of 40cm
10	Protected against a shock equivalent to falling from a weight of 5000g to a height of 40cm

# Classification: protection against electric shock

IKxx	Definition
Class 0	Functional insulation without earth connection
Class 1	Functional insulation with earth terminal, equipotential bonding
Class 2	Reinforced insulation without accessible metal parts. Double insulation without grounding
Class 3	Luminaires operating at very low voltage safety (SELV) of 50V maximum

# CIBSE recommended lighting levels

The below table provides a helpful guide to the CIBSE recommended lighting levels for the most common premises types. Remember, this is a guide and any specific building requirements need to be carefully considered, for more information please contact [project@kosnic.com](mailto:project@kosnic.com)

Area	Recommended Lighting Level	Area	Recommended Lighting Level
<b>Offices</b>			
General	500 Lux	Drawing Office	500 Lux
Computer Work Stations	300 – 500 Lux	Drawing Boards	750 Lux
Filing Rooms	300 Lux	CAD Design Areas	300 – 500 Lux
Print Rooms	300 Lux		
<b>Retailing</b>			
Small Retail Outlets	500 Lux	DIY Superstore	1000 Lux
Supermarkets	750 Lux	Garden Centres	500 Lux
Hypermarkets	1000 Lux	Showrooms	500 – 750 Lux
<b>Engineering</b>			
Tool Shops	300 – 750 Lux	Heavy Machine Assembly	300 Lux
Arc Welding	300 Lux	Inspection and Testing	500 – 2000 Lux
Spot Welding	500 – 1000 Lux		
<b>Banks &amp; Building Societies</b>			
Counter Offices	500 Lux	Public Areas	300 Lux
<b>Staff Areas</b>			
Changing Rooms & Toilets	100 Lux	Restaurants & Canteens	200 Lux
Rest Rooms	150 Lux		
<b>Kitchens</b>			
Serving & Washing Up Areas	300 Lux	Food Stores	150 Lux
Food Preparation & Cooking	500 Lux		
<b>General Areas</b>			
Entrance Halls & Lobbies	200 Lux	Gatehouses	200 Lux
Enquiry Desks	500 Lux		
<b>Circulation Areas</b>			
Lifts	100 Lux	Atria	50 – 200 Lux
Corridors & Stairs	100 Lux	Atria with Plants	500 – 3000 Lux
Escalators/Conveyors	150 Lux	Entrances/Exits	200 Lux
<b>Communication</b>			
Switch Boards	300 Lux	Post Rooms	500 Lux
<b>Building Services Areas</b>			
Boiler House	100 Lux	Mechanical Plant Rooms	150 Lux
Control Rooms	300 Lux	Electrical Plant Rooms	100 Lux
<b>Distribution &amp; Storage</b>			
Loading Bays	150 Lux	Trade Counter	500 Lux
Unpacking & Sorting	200 Lux	Warehouse/Bulk Stores	100 Lux
Large Item Stores	100 Lux	Packing & Dispatch	300 Lux
Small Item Stores	200 Lux	Cold Stores	300 Lux
<b>Places of Public Accessibility</b>			
Churches & Village Halls	300 Lux		
<b>Lighting Levels for Hospitals</b>			
Lighting Levels for Hospitals and Health Care Centres are specialised and complex, seek guidance from the C.I.B.S.E guide for interior lighting. These levels are based on the C.I.B.S.E guide for interior lighting and cover only the most common applications.			

# Recommended Lighting for offices

Lighting can be a big part of the productivity and atmosphere of the office, studies show that light can improve staff wellbeing and create a dynamic and motivating environment.

Kosnic luminaries and controls have the flexibility to use the space as needed. Offices don't always stay the same and desks often get moved around.



## The variety of Emergency lighting

### - Planning emergency lighting

When planning emergency lighting it is important to think of all the different types of lighting required and what areas need it. Each room, entrance and exit of a building requires a certain lux level in emergency mode. Our emergency spacing tables can help you get an idea of what you require (page...) At Kosnic our project team can also assist you with all the requirements needed. They can calculate the lux level needed and advise the best product and quantity to use.

The flexibility of the Universal Emergency Module is suitable for ALL LED class III luminaires. The Kosnic-developed Adaptive Current Control (ACC) adjusts the DC voltage output within the module's limits to the appropriate level for the luminaire. It then adjusts the current to limit the power to a maximum of 3W to ensure operation time of three hours, as specified by BS 5266.

With the extensive range of self-contained exit signs Kosnic can accommodate the emergency lighting requirements for any office. Each 3-hour emergency exit bulkhead can be maintained or non-maintained and has the necessary choice of directional graphics.

- CEW03LIL/N - Universal Emergency Module Page 23

- EESN0105S65 - Mulu IP65 exit sign bulkhead Page 32

## Comfort and wellbeing

### - The importance of glare control and LG7

All areas of high concentration, such as office settings, require flicker free lighting and specific lighting levels depending on what activity is being carried out. In office areas the well-being of the worker is essential for productivity. The lighting and the type of lighting used can have many effects on the working environment.

Kali-Pro panels are designed to offer ultra-low glare (UGR < 19\*) levels, making them perfect for the office environment. This is achieved by the use of a specially designed optical film, which consists of a matrix of micro lenses that reduce the light emitting angle from the panel. This is extremely important (and beneficial) when it comes to meeting CIBSE guidelines and LG7 for office lighting installations.

- KLED3627PNL - Kali-Pro premium LED panel page 39

\*with room size of 4h x 2h, where h is the height of the room.

## Advancing energy efficiency

Kosnic offer a wide selection of adaptive controls, gears and motion sensors to suit the flexibility of any type of office. By eliminating the need of manually adjusting numerous lighting switches within an office area, can massively increase the energy efficiency and contribute to the productivity of staff. Studies show that by having the right light levels in an office area can increase productivity.

**Adaptive controls** - To help control the lux levels in an office use the daylight harvesting control near windows, the driver automatically adapts the lighting to the ambient conditions by dimming the panel output to maintain the required illumination level, saving even more energy.

**Control gears/motion sensors** - For less frequently used rooms such as small meeting rooms having automatic motion sensors enable simple energy saving solutions. The CYANIRIS Microwave Presence Sensor for LED Panels uses light only when and where you need it. The sensor automatically switches the panel on and off and it also has a built-in light sensor which can be used to prevent the panel from switching on above a set lux level.

Using the wireless Radio Frequency controlled LED Drivers in boardrooms and meeting rooms allows the user to control the light levels with a remote. The remote controls can operate up to 4 different sets of drivers and luminaires allowing the user to control the light levels where the focus needs to be.

- CYS-PRS-PNL - Presence Sensor Page 47

- CYS50DLH-PNL - Daylight Harvesting Control Page 48

- CYC05RFC25-150 - EasyLINK® wireless driver Page 54





# What is emergency lighting

UK legislation requires all occupied business and public building escape routes and exits to have a minimum of one lux of light in an emergency situation to allow a safe exit should the mains power fail. In an emergency it is required that all emergency luminaires have power for at least 3 hours and the light output is roughly 10% normal light levels.

The Fire Precautions (Workplace) Regulations 1997 & BS5266 part 1 - require building owners to test emergency lighting systems regularly and maintain them in proper working order.

## What is Self-Test? (also commonly known as AutoTest)

Self-Test emergency luminaires have a built in system that automatically carries out routine testing to ensure they are working well and have no system errors; they automatically signal if there is a fault that requires action. By removing the need to test the luminaire manually, Self-Test is highly cost effective.



## Maintained and Non-Maintained Luminaires

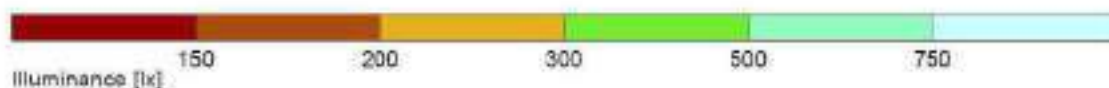
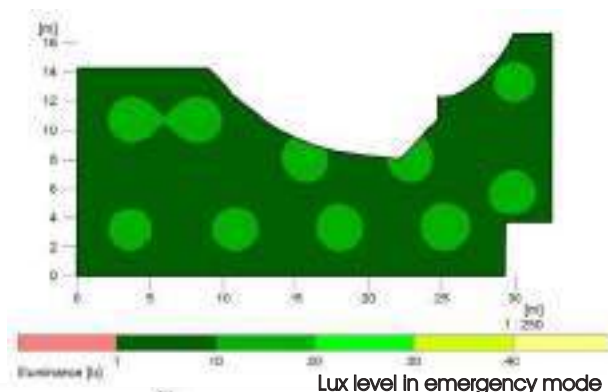
Maintained luminaires operate as normal light fittings during everyday operation and can be controlled with all other luminaires in the area.

## Non-maintained Luminaires

Non-maintained luminaires remain off during everyday operation, only illuminating when mains power fails.

## Kosnic Project Team Scheme with emergency lighting added

Type	No.	Make
1	9	Kosnic Order No. : KTWB30PNL-W40 Luminaire name : 30w LED Twin Bar Panel - Cool White Equipment : 1 x LED 30W / 3200 lm
2	3	Kosnic Order No. : KTYB30PNL-W40 Luminaire name : 30w LED Twin Bar Panel - Cool White Equipment : 1 x LED 30W / 3200 lm



# DALI/PUSH/1-10V dimming: What's the difference and which to choose?

A range of our luminaires can be used with a choice of dimmable drivers. Below is an explanation of the differences between the most common types of dimming controls to help you choose the option that best suits your requirements. As always for more information please refer to the datasheet of the product you are wishing to add a dimming system to.

## **DALI (Digital Addressable Lighting Interface)**

These dimmer switches use a digital protocol to send a dimming control signal to a driver down separate wires to the mains supply. They do not directly control the energy passed to the driver. Lamps are never (directly) DALI dimmable. DALI is a standard so any DALI dimmer switch will work for a DALI dimmable driver.

## **PUSH Dimming (Switch Dim, Analogue)**

A dimming method using a simple retractive (non-latching) switch. The input from the switch to the driver is in addition to the main power supply to the driver. With Primary PUSH dimming, an additional live with a retractive switch and a neutral are connected to the driver. Normally a short push of the switch turns the driver on/off, while a long push dims up and down. The switch operation is the same with Secondary PUSH dimming but the supply to the switch comes from and returns to the driver via the retractive switch, usually at a reduced voltage. PUSH dimming may also be called Switch DIM.

## **1-10V Dimming (analogue)**

These dimmer switches are similar to DALI but use an extra low voltage analogue control signal (1-10V) to a driver on separate wires to the mains supply. They do not directly control the energy passed to the driver. Lamps are never directly 1-10V dimmable. 1-10V is a standard so any 1-10V dimmer switch should work for a 1-10V dimmable driver. 1-10V dimming systems require a switch that controls the mains supply on/off and the separate 1-10V dimming signal

**Dimmable Switches** – for our dimmable drivers there is NO set recommended dimmer switch. All you will need is a DALI switch for a DALI driver, a 1-10V switch for a 1-10V driver and a retractive switch for PUSH dimming. For more detailed information on the switches, such as the number of switches needed per install we always recommend going to the manufacturer's documentation.



# Glossary

## **1-10V Dimming:**

Simple yet reliable electronic lighting control system used to communicate between controller and device, through the use of two low voltage wires in addition to power supply cables. A similar protocol to DALI but with a control signal of DC voltage that varies between 1-10V.

## **Accent Lighting:**

Using a light source to directly highlight an object or part of a specified area using a beam angle less than 90°.

## **Ambient Temperature Range (or Operating Temperature):**

The temperature of the environment where an LED light source is installed. Operating an LED light source beyond the specified operating temperature will lower the LEDs life span.

## **Beam Angle:**

The angle at which light is distributed or emitted between two imaginary lines radiating from the face of the light source. At this point, the intensity of the light is 50% of the central intensity. Light output is not restricted to this beam.

## **Cap (or Lamp Base):**

The part of the lamp that is used to make contact with and conduct electricity in a luminaire. Common types of domestic cap include threaded E27 and E14, bayonet B22 and B15, G9 capsule and GU10. The cap type also determines the voltage supply that can be connected and differentiates between mains voltage and lower safety voltages.

## **COB LED:**

Chip on Board LED technology that interconnects bare LED chips to a substrate material by conductive or non-conductive adhesive. Electrical connection is achieved with wire bonding, packaged together by silica gel, epoxy resin or other materials. The COB system provides several related benefits such as greater flexibility in design, better light distribution, better colour mixing and a simpler manufacturing process.

## **Colour Rendering Index (CRI):**

A measurement of the amount of colour shift an object undergoes when illuminated by a light source. This is compared with the colour of the same object seen under a reference light source of comparable temperature. LED light CRI values generally range from 60 (average) to 90 (best). High CRI equates to more natural colour.

## **Luminous Flux (lumen or lm):**

The rate of light emitted by a light source, measured in lumens. Directional lamps (such as spotlights) must now state the useful luminous flux, which is the luminous flux measured within a restricted cone of 90° angle. This differs from total luminous flux, which measures total light output in all directions.

## **Correlated Colour Temperature (CCT):**

Expressed in degrees Kelvin (K), it is the colour of a light source relative to a reference source at a particular temperature. Incandescent lighting typically has a low colour temperature of around 2800K and gives an orange tone known as Warm White. Cool White is rated at around 4000K and contains less of the yellow light. Lamps of 6000K and above tend to have more blue in the spectrum and are often referred to as Daylight.

## **Current:**

The flow of electrical charge through a circuit, measured in Amperes. With alternating current (AC) the movement of electric charge periodically reverses direction. With direct current (DC) the flow of electric charge is only in one direction. It is important to match the voltage and current of the power supply or driver to the light source.

## **DALI:**

DALI (Digital Addressable Lighting Interface) is a standard protocol for controlling lighting. The system transfers control signals between controller and device (such as dimmable DALI LED drivers) via two low voltage wires in addition to the power supply cables.

## **Dimmable:**

The facility to reduce the light level of a lamp or luminaire through an external control device. With dimmable LED lamps it is important to realise that not all dimmer switches will provide effective, smooth and flicker free dimming therefore guidelines on compatibility should be consulted.

## **Energy Class:**

The energy efficiency of the product is calculated from the wattage, useful luminous flux and some correction factors. Classes range from A++ to G according to formulas in EU directives, with A++ being the most energy efficient and G the least efficient.

## **Equivalent Wattage:**

The wattage of an equivalent incandescent lamp. This is calculated from the useful luminous flux and beam angle once correction factors have been applied, in formulas specified by EU directives according to technology type.

## **Fire Rated:**

Building regulations specify that divisions between certain properties and functional spaces are separated by partitions (such as fire rated ceilings) in order to slow the spread of fire. When a cut out is made for a downlight or recessed luminaire, the product itself must be suitably fire rated in order to maintain the integrity of the ceiling's fire rating.

## **UGR:**

UGR (Unified Glare Ratio) is a method used to evaluate the direct glare from luminaires in a room when assessing the entire lighting installation at a defined observer position.

## **Lux (or Illuminance):**

The amount of luminous flux falling on a surface measured in lumens per metre<sup>2</sup>, lm/m<sup>2</sup> or lux.

**IP Rating:**

An IP rating (Ingress Protection) is a two digit code given to an electrical item to indicate the degree of protection afforded by the enclosure. The first digit represents protection against penetration by solid objects accessing hazardous parts, the second describing the enclosure's protection against the ingress of water. IP44 is protection from objects over 1mm and water splashing from multiple directions, IP65 indicates protection from dust and low pressure jets of water.

**LED:**

LEDs (Light Emitting Diodes) are solid state devices that do not require the heating process of a filament to create light. Instead, electricity is passed through a chemical compound that once activated generates light. LEDs are not lamps in themselves, they require assembly with ancillary component parts and connection to a circuit board. This will allow electricity to pass through at a specified voltage and current while managing heat dissipation.

**PIR Sensor:**

PIR (Passive Infrared) sensor is an electronic device that detects the infrared radiation emitted from an object in its field of view. They are most often used in motion detectors and rely on line of sight to detect movement.

**Lifetime:**

This usually refers to the average operational life of a light source until failure, or at a specified lumen maintenance level. A lifetime expressed as L70B50 would be defined as the average time until 50% of the samples fail or drop to a lumen maintenance level of 70%.

**Lumen Maintenance:**

How well a light source retains its intensity over an extended period of time when compared to new. Typically, a high power LED lamp will retain 70% of its intensity for between 30,000 and 50,000 hours. This means a good quality LED lamp will run for 8 hours per day for 13 years at 70% of its original intensity compared to new. No other type of light source can do this.

**Luminaire:**

A luminaire is a light fixture or fitting used to create artificial light through use of a replaceable or non-replaceable lamp. The lamp requires a luminaire to connect to a power supply but a luminaire does not necessarily require a lamp.

**PUSH Dimming:**

A dimming method using a simple retractive (non-latching) switch. The input from the switch to the driver is in addition to the main power supply to the driver. With Primary PUSH dimming, an additional live with a retractive switch and a neutral are connected to the driver. Normally a short push of the switch turns the driver on/off, while a long push dims up and down. The switch operation is the same with Secondary PUSH dimming but the supply to the switch comes from and returns to the driver via the retractive switch, usually at a reduced voltage. PUSH dimming may also be called Switch DIM.

**SMD LED:**

An SMD (Surface Mount Device) is a simple, low profile LED suitable for mounting on a PCB. The LEDs are powerful and bright with a long lifespan, but should be arranged in arrays to achieve the illumination level expected from luminaires and lamps.

**Maintained / Non-Maintained****Emergency Luminaire:**

A maintained emergency luminaire may be energised at all times. A non-maintained emergency luminaire is only energised when the power supplied to normal lighting fails.

**Microwave Sensor:**

An automatic lighting control that detects when an area is occupied to switch lighting on. Microwave sensors transmit an inaudible microwave that can penetrate non-metallic objects such as glass and plastic, monitoring reflections from walls or objects in the room irrespective of heat or light. Line of sight issues do not affect microwave sensors as any solid object movement changes the pattern of the reflections and activates the sensor. This enables them to be enclosed for protection, creating sensitive devices that are activated by motion and unaffected by temperature and climate.

**LED Driver:**

Control gear that maintains a constant electrical supply to an LED light source. This includes circuitry to rectify the alternating current supply into direct current and convert the voltage to an appropriate value.

**Power Factor:**

The ratio of real power used to do work to the apparent power supplied to the circuit, which is caused by the voltage and the current being out of phase with each other. A load with a low power factor draws more current than a load with a high power factor for the same amount of useful power transferred.

**Voltage:**

The potential difference in electrical charge between two points in an electrical field. The greater the voltage, the greater the pressure of electrical current. As with current, the voltage can be direct or alternating. However, direct voltage maintains the same polarity while the polarity reverses direction periodically in alternating voltage. The number of complete cycles per second is the frequency. Many products run directly from the normal alternating current at mains supply voltage but some products require a lower voltage supply. In this case, an LED driver is required between the mains voltage supply and the lamp or luminaire to supply an appropriate lower voltage.

**Wattage (Power/Load):**

This is the rate of energy consumed by an electrical device in operation, expressed as Watts. It is related to voltage and current by the following formula: Voltage x Amps x Power Factor = Watts. The total amount of energy used to run an electrical device is calculated as wattage x hours used.

# Warranty Policy

## LED Lighting Product Warranty:

Kosnic Lighting Ltd warrants that all LED lighting products comply with their published specifications and are free from defects in materials and workmanship for the respective periods of time set forth below.

Kosnic LED lighting products with rated life of greater than 25,000 hours are warranted for 3-5 years dependant on product type. Other Kosnic LED lighting products are warranted for 2 years. All CFL and halogen Kosnic Lighting products are warranted for 1 year. All Luminaire premium products (as described in the Evolve catalogue) are warranted for 5-7 years dependant on product type. An extended 5/7-year warranty can be offered on other products if the 'Application for an extended 5/7-year warranty form' is approved. All standard product warranty terms can be found in the Evolve catalogue. Should a Kosnic LED lamp or luminaire fail within the warranty period from the invoice date, Kosnic will provide replacement products free of charge. The acceptance of any claim under this warranty is subject to our warranty terms and conditions.

If the product is no longer available, Kosnic will provide the closest alternative product or the value of alternative product at its absolute discretion. If a close alternative product is not available, Kosnic will reimburse the warranty holder with the last price paid for the original product. The obligation to replace any product under the terms of this warranty shall only apply where it has been used for its intended or ordinary purpose and provided always that the following conditions have been met:

Kosnic LED products must be installed correctly, in accordance with the product information detailed on our packaging, instruction sheets, product data sheets and best industry practice.

Kosnic LED products under this warranty should not be operated over 5000 hours per year on average within the warranty period. If the Kosnic LED product is intended to be used for more than 5000 hours a year, a separate Warranty will be issued upon request.

## Kosnic LED products are designed to operate within the following parameters:

Ambient Temperature: -20°C to +40°C

Relative Humidity: <80%

### LED Lamps Fitted Into Open Luminaires:

Kosnic LED lamps are designed to be used in "open luminaires" and should have a minimum of 10mm air flow around the body of the lamp.

### LED Lamps Fitted Into Enclosed Luminaires:

Kosnic LED lamps are not designed to be used in completely enclosed luminaires where air flow is prevented. The lamp life of Kosnic LED lamps in such fittings will be reduced and is unquantifiable and as such will fall outside of the terms of this warranty.

### Kosnic Mains Voltage LED Products:

Kosnic mains voltage LED products are designed to operate at 230V (+/- 10%) 50-60Hz. Any fluctuation in excess of this will invalidate the terms of this warranty.

### Kosnic 12V LED Products:

For all Kosnic 12V LED lamps, this warranty will only be valid if they are used with 12V DC constant voltage LED Driver. Unless stated otherwise, the use of halogen lamp transformer with kosnic 12V LED products invalidates this warranty

### Kosnic LED Tubes:

The Kosnic LED tube range must be installed as directed in the installation guide. LED tubes may be used in enclosed luminaires, however they must operate in an ambient temperature between -20°C to +40°C and have a minimum of 10mm air gap around the tube.

### Compatibility:

Kosnic Lighting Ltd cannot be held responsible for incompatibility of any lamp or luminaire with other manufacturers' transformers, drivers, dimmers or control gear. A guide to compatibility is published on the Kosnic web site and is available on demand. Technical advice is always available upon request.

## Warranty Terms and Conditions:

### 1. Scope of Warranty

1.1 The warranty shall only apply to Kosnic branded lighting products sold in the UK (the 'Product') and shall apply for the benefit of a purchaser or end user (the 'User').

1.2 In these terms Kosnic refers to Kosnic Lighting Limited.

- 1.3 Kosnic warrants that the Product will be free from defects in material and workmanship.
- 1.4 The warranty set out herein shall be valid for the specified warranty period from the invoice date of purchasing the product.
- 1.5 If the Product fails, Kosnic will provide free replacement of the failed Product subject to the terms and conditions set out herein.

## 2. Terms and Conditions

- 2.1 If the Product as covered by this warranty is returned by a User in accordance with clause 3 below and within the applicable warranty period referred to at clause 1.4 herein and upon examination Kosnic determines to its satisfaction that such Product failed to satisfy this warranty, Kosnic will, at its sole option, repair or replace the Product or the defective part thereof, or reimburse the User for the purchase price.
- 2.2 The repair, replacement or otherwise of the Product shall not include any removal or reinstallation activities, costs or expenses, including without limitation, labour costs or expenses.
- 2.3 If Kosnic elects to replace the Product and is not able to do so because it has been discontinued or is not available, Kosnic may, at its sole option, replace the product with a comparable product or offer a reimbursement of the purchase price.
- 2.4 If required by Kosnic, the non-conforming or defective Product or part thereof shall become its property as soon as they have been replaced.
- 2.5 This warranty shall not apply where the Product has not been properly wired and installed and operated within the electrical values, operating range and environmental conditions provided in the specifications, application guidelines, IEC standards or any other document accompanying the Products. If a Product is found to be defective or not performing in accordance with the product specifications, the User must notify Kosnic in writing.
- 2.6 This warranty does not apply to damage or failure to perform arising as a result of any act of god or from any abuse, misuse, abnormal use or use in violation of any applicable standard, code or instructions for use including without limitation those contained in the latest safety, industry and/or electrical standards for the relevant region(s).
- 2.7 This warranty shall be void in the event any repairs or alterations, not duly authorised by Kosnic in writing, are made to the Product by any person. The manufacturing date of the product has to be clearly readable.
- 2.8 The decision of Kosnic as to the validity of any claim under this warranty shall be final.

## 3. Warranty Claims

- 3.1 The period set out at clause 1.4 herein shall be subject to a representative of Kosnic having access to the failed product or system for verification of non-compliance if required at Kosnic's sole option.
- 3.2 Any claim under this warranty must be reported to Kosnic within 30 days of discovery and any Product or part thereof returned promptly to Kosnic at its request.
- 3.3 Any claim under this warranty must be made in writing and specify details of the failed Product, purchase date, installation date, description of problem, number and percentage of failures, date-code of failures, application, hours burned and switching cycles.
- 3.4 If a warranty claim is accepted by Kosnic, it will pay for reasonable packaging and postage costs.
- 3.5 In the event that a claim is subsequently rejected, Kosnic may charge the User for the costs of investigation and reasonable packaging and postage costs.

## 4. No implied or other warranties

- 4.1 This warranty and the rights and remedies contained within it shall be the only warranties given by Kosnic in relation to the Product and are given in lieu of all other warranties, whether express or implied, including without limitation warranties of quality or fitness for a particular purpose, which warranties are hereby disclaimed.
- 4.2 This warranty sets out the entire liability and obligation of Kosnic to the User and the User acknowledges that it or their sole and exclusive remedy in connection with defective or nonconforming Products supplied by Kosnic, whether or not such damages are based on any warranty not explicitly mentioned herein, tort, contract or any other legal basis, even if Kosnic has been advised or is aware of such defects.
- 4.3 No agent, distributor or dealer is authorised to change, modify or extend the terms of this warranty on behalf of Kosnic.

## 5. Limitations and conditions

- 5.1 This warranty excludes, among other items, installation, providing access to products (scaffolding, lifts, etc.), and special, incidental and consequential damages (such as loss of revenue/profits, damage to property or other miscellaneous costs not previously mentioned), and is further defined by the limitations and conditions set forth in the warranty policy as published from time to time.
- 5.2 Kosnic accepts no liability for electrical supply conditions, including supply spikes, over-voltage/under-voltage and Ripple Current control systems that are beyond the specified limits of the products and those defined by relevant supply standards (e.g. EN 50160 norms).

# Terms and Conditions of Sales

## General

"The Company" means Kosnic Lighting Limited.

"The Conditions" means Terms and Conditions of Sales.

"The Goods" means the goods agreed to be supplied by the Company.

"The Purchaser" means any firm or company that has agreed to buy the goods. The company reserves the right to amend the Conditions. All quotations are made and all orders are accepted subject to these conditions.

## Quotations & Orders

(a) The Company reserves the right to withdraw its offer or revise Purchaser's acceptance of a quotation unless such quotation is stated to be open within a certain period of time. Any sample submitted to the Purchaser is returnable as long as the sample is in a resalable condition.

(b) The Company reserves the right to accept or cancel orders, as well as to cancel the balance of any uncompleted order or to suspend delivery in the event of any of the Purchaser's commitments to the Company not being met or if the Company is of the opinion that such commitment will not be met by the Purchaser.

## Prices

(a) All prices quoted are net and subject to VAT, where applicable, at the standard rate as published by HMRC at the time of supply

(b) The price payable for the Goods will be the price as agreed between the Company and the Purchaser or, if there is no agreement as to price, the Company's list price ruling at the date of invoice.

(c) The Company reserves the right to place any of its products on promotion at any time and subsequently withdraw product promotions at any time. The Company cannot be held responsible for orders placed on the standard pricing terms before and after the promotional activity.

## Payment

(a) Unless otherwise agreed in writing, payment in full is due on the date of the Goods being dispatched.

(b) A 30-day account may be made available to the Purchaser subject to the Company's acceptance, at its sole discretion, of a satisfactory credit account application from the Purchaser.

(c) In the event of default in payment by the due date, the Company reserves the right to charge late payment interest on the overdue amount at the stated statutory rate per annum as published by HMRC plus the prevailing bank base rate of interest as published by HSBC Bank Plc from the point when the payment becomes overdue.

## Descriptive matter and Illustration

(a) All descriptions and illustrations and particulars of weights and dimensions and performance criteria issued by the Company in catalogues, price lists, advertising matter and specifications are by way of general descriptions and approximate only, and shall not form part of any contract or give rise to any liability on the part of the Company.

(b) It is the policy of the company to endeavour to develop and improve its products, and accordingly the Company reserves the right to change all specifications without prior notification or public announcement pursuant to such policy, provided that nothing in this Clause shall oblige the Purchaser to accept goods which do not reasonably comply with the contract.

## Delivery

(a) The delivery fee is included in the price quoted, unless advised otherwise.

(b) All times or dates for delivery of the goods given by the Company are approximate only and shall not be of the essence of the contract.

(c) The purchaser will sign the Company's delivery note for the receipt of the Goods. If the Purchaser signs "unexamined" the Company will deem this to be an acknowledgement of the receipt of all pallets boxes, cartons or packages specified in the delivery note in good condition.

## Storage

If the Company does not receive forwarding instructions sufficient to enable it to deliver the goods within 14 days after the date of notification to the Purchaser that they are ready for dispatch, the Company shall be entitled to arrange storage whether as its own premises or elsewhere on the Purchaser's behalf whereupon risk in the goods shall pass to the Purchaser. The purchase price of such goods shall become payable by the Purchaser and all costs of storage and insurance of the goods shall be payable by the Purchaser

## Loss or damage in transit

(a) Except where the Purchaser collects the goods from the Company, the Company will credit in full any goods damaged in transit or not delivered in accordance with the Delivery Note, provided that this has been clearly indicated on the relevant documentation at the time of delivery.

(b) Where an entire delivery has not been received the Company will credit all items in full provided that the Company has received written notification within 10 working days of the date of invoice.

**Returned goods**

The Company will only accept the return of the Goods if they are faulty, have been damaged in transit between the Company and Purchaser or if the wrong goods have been delivered. In no other circumstances will goods be accepted as returned. The cost of carriage for returns is at the expense of the Purchaser.

**Force Majeure**

The Company shall bear no liability for any loss or damage suffered by the Purchaser if the Company is prevented from fulfilling a Purchaser's order as a result of industrial dispute or any cause beyond its reasonable control or any liability of the Company to procure materials required for the performance of the order. The Company shall suspend or make partial deliveries or extend the time or times for delivery.

**Passing of property and risk**

(a) The risk in the goods shall pass to the Purchaser immediately on delivery of the goods to the Purchaser.

(b) Notwithstanding delivery and the passing of risk, property in and title to the Goods shall remain with the Company until the Company has received payment of the full price of all Goods which are the subject of the contract and all other goods supplied by the Company to the Purchaser under any contract whatsoever.

**Legal construction**

All contracts to which these Conditions of Sale apply shall in all respects be construed and operate as an English contract and in conformity with English law.



# Specline Products

Product range	Product name	Product code	Page number	MOQ
Retail and Display	Aloba	KTDL24GL-S30-BLK	233	12
Retail and Display	Atami	Whole Range	214-217	500
Retail and Display	Avalon	Whole Range	218-223	48*
Retail and Display	Azure	Whole Range	232	24
Surface Luminaire	Codale	Whole Range	101	100
Amenity Exterior Luminaire	Epping	Whole Range	203	100
High Bay & Low Bay	Fractus	Whole Range	198	200*
Floodlight	Thorpeak	Whole Range	176	1
Floodlight	Vermillion	Whole Range	175	1
Retail and Display	Maly	Whole Range	224-227	50
Surface Luminaire	Meola	Whole Range	100	1
Linear Luminaire	Nile II	Whole Range	127-128	200
Street Light	Nix	Whole Range	183	10
Retail and Display	Tatio	KWWDL15-S30-CHM KWWDL15-S30-SLV KWWDL15-S50-CHM KWWDL15-S50-SLV	228	1
Retail and Display	Tatio	KWWDL24-B40 KWWDL34-B40 KWWDL34-S40	228	8
Retail and Display	Tatio-R	KWWDL35Q-W30 KWWDL35Q-W60	229	8

All specification products are lead time dependant as they are factory order only. To find out more details please call the sales office on 01635 523 713 or email sales@kosnic.com.

**\* Some MOQ's can be negotiated, project dependant \***



## Important Information

The information, technical specification and photography contained in this catalogue is representative of general models, correct at the time of going to press. All dimensions and weight given are advisory and should be checked and confirmed prior to any crucial installation procedures such as ceiling cut-outs taking place.

Whilst suggestions regarding luminaire and lamp applications are given, it is the responsibility of the installer to verify suitability.

Kosnic lighting Ltd reserves the right to make any modification necessary to parts or details without prior notice. The information contained in this publication does not form part of any contract with Kosnic lighting Ltd and any item supplied is done in full accordance of our Terms and Conditions of Sales (copy available on request)



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