

# JC1001/BNEM

## V50 Emergency

V50 fire-rated LED downlight 7.5W 650lm IP65 BN EM

### Features & Benefits

- Two colour selectable from below the ceiling 3000K & 4000K
- Ultra-low profile suitable for shallow 50mm ceiling voids
- Tested for use in fire-rated ceilings
- IP65 suitable for bathrooms (internal use only)
- Strong protected spring clips
- Fast push-fit termination with remote driver
- Twist & lock bezel design
- Available as complete fixture (JC1001) or without bezel (JC1001/NB)
- JC1001/NB requires separate bezel (JC1006)



CLASS I



BEAM 60°



CRI:RA 80



COL SWITCH



3yr



RATING IP 65



DIMMABLE

### General Information

Product Group	<b>Fire-rated Downlights Emergency</b>
Product Range	<b>V50™</b>
Trade Name	<b>V50</b>
Light Source	<b>LED</b>
Light Source Features	<b>Colour Selectable</b>
Product Shape	<b>Round</b>
Mounting	<b>Recessed</b>
Product Weight	<b>1.46kg</b>
Color Finish	<b>Brushed Nickel</b>
Overall Dimensions	<b>Ø84 x 67.7</b>
Overall Dimensions (mm) Rim	<b>Ø84</b>
Recommended Product Location	<b>Indoor use only</b>
Minimum Void Requirement	<b>75mm</b>
Method Of Fix	<b>Recessed with Spring Clips</b>
Product Aperture Size	<b>70mm</b>

IP Rating	<b>IP65</b>
Environment	<b>Indoor</b>
Luminaire Accessories	<b>Black, Brushed Brass, Chrome or White Replacement Bezel; Concealer Ring; Converter Plate</b>
Duration of Fire protection ( Mins)	<b>Tested for use in fire-rated ceilings. Full information and up-to-date fire testing certificates for ceiling system types are available on JCC.CO.UK</b>
Origin of manufacturer	<b>Made In China</b>
Warranty	<b>2 years standard warranty extends to 3 years when registered within the first year of purchase (2 years on batteries)(See Website for terms and conditions)</b>
Dimming Protocol Compatibility	<b>Triac</b>
Driver Manufacturer	<b>JCC</b>
LED Manufacturer/Type	<b>Hongli</b>
Lighting Product Type 1	<b>Emergency Lighting</b>
Lighting Product Type 2	<b>Fired Rated Downlights</b>

## Electrical

Voltage Rating	<b>230-240</b>
Secondary Running Current	<b>175mA</b>
Operating Frequency Hz	<b>50/60Hz</b>
CC or CV	<b>CC</b>
Luminaire Circuit Wattage	<b>7.5</b>
Sec - Voltage (V)	<b>36VDC</b>
Class	<b>I</b>
Input Electrical Connections	<b>Push Fit Terminals LEN Loop In/Loop Out</b>
Dimmable	<b>Yes</b>
Max No. In Run	<b>20</b>

## Emergency Data

Load Voltage	<b>220-240V 50Hz</b>
Nominal Battery Current	<b>4 Ah</b>
Recharge Time	<b>24 Hours</b>
Battery Specification	<b>8 cell D Type 9.6V Ni-MH 4000 mAh FLEXI</b>
Battery Life In Emergency Mode	<b>3 hours</b>
Charge Current	<b>270-330mA</b>
DDP Protection	<b>Yes</b>
LOR In Emergency Mode	<b>0.1</b>
Inverter PFC	<b>&gt;0.4</b>

## Thermals

Room Ambient Temperature Not To Exceed	<b>30°C</b>
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Insulation Coverage	<b>Loosely Cover with Mineral Wool Insulation</b>
Minimum Void Requirement	<b>75mm</b>

## Performance Data

LED Life (Hours)	<b>51000</b>
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Hours life stated is an indication of expected L70 chip and light output calculations when operating in optimum conditions. Product warranty period supports the full product during the term given. The L70 hours expectancy is not correlated with the full product warranty term, nor is it a representation of lumen depreciation during the warranty period.

Energy Rating	<b>This product contains a light source of energy efficiency class F</b>
Actual Lumen Output	<b>600/650</b>
Lumens Per Circuit Watt	<b>80/87</b>
Color Rendering Index	<b>80-89</b>
CRI: Ra	<b>80</b>
Correlated Color Temperature	<b>3000K/4000K</b>
Light Distribution Detail	<b>60-degree</b>
LOR (Light Output Ratio) %	<b>100</b>
Photometry Available	<b>Yes: available on request.</b>

## Construction

Primary Material	<b>Steel</b>
Lens	<b>PMMA Plastic</b>
Heat Sink	<b>Extruded Aluminium</b>
Driver Housing	<b>Polycarbonate</b>
Rim Or Attachment	<b>Die-cast Aluminium</b>

## Packaging

Product Packaged Weight	<b>1.46kg</b>
Quantity Per Outer Carton	<b>1</b>
Product Bar Code EAN-13 Number	<b>5052544087899</b>

## Standards & Approvals

Manufactured In Accordance To	<b>BS EN 60598:2015, 2-1, 2-2</b>
CE Marked	<b>Yes</b>
UKCA Marked	<b>Yes</b>
Certificate Of Conformity	<b>Yes: available on request.</b>
Accredited Members	<b>LIA, ISO9001:2015, ISO14001:2015</b>



