



Ledinaire High-bay

BY020P LED100S/840 PSU WB GR

Power supply unit regulating - Wide beam - 100°

The Ledinaire range contains a selection of popular off-the-shelf LED luminaires, each of which come with the high Philips quality levels and competitive price. Reliable, energy-efficient and affordable – just what you need.

Product data

General Information	
Beam angle of light source	100 °
Light source color	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit regulating
Driver included	Yes
Optic type	Wide beam
Luminaire light beam spread	100°
Control interface	-
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Constant light output	No
Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark

Unified glare rating CEN	>28	
Operating and Electrical		
Input Voltage	220 to 240 V	
Input Frequency	50 to 60 Hz	
Initial CLO power consumption	- W	
Average CLO power consumption	- W	
Inrush current	10.6 A	
Inrush time	0.13 ms	
Power Factor (Min)	0.95	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Housing Material	Aluminum	
Reflector material	Aluminum	
Optic material	Polycarbonate	
Optical cover/lens material	Polycarbonate	
Fixation material	-	
Optical cover/lens finish	Frosted	

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Overall height	50 mm	Lumen maintenance at median useful life*
Overall diameter	244 mm	50000 h
		Lumen maintenance at median useful life*
Approval and Application		100000 h
Ingress protection code	IP65 [Dust penetration-protected, jet-	
	proof]	Application Conditions
Mech. impact protection code	IK06 [1 J]	Ambient temperature range
		Performance ambient temperature Tq
Initial Performance (IEC Complian	t)	Maximum dim level
Initial luminous flux (system flux)	10000 lm	Suitable for random switching
Luminous flux tolerance	+/-10%	
Initial LED luminaire efficacy	103 lm/W	
Init. Corr. Color Temperature	4000 K	Product Data
Init. Color Rendering Index	>80	Full product code
Initial chromaticity	(0.38, 0.38) SDCM <5	Order product name
Initial input power	97 W	EAN/UPC - Product
Power consumption tolerance	+/-10%	Order code
		Numerator - Quantity Per Pack
Over Time Performance (IEC Compliant)		Numerator - Packs per outer box
Control gear failure rate at median usef	ul life 7.5 %	Material Nr. (12NC)
50000 h		Net Weight (Piece)
Median useful life L70B50	30000 h	
Control gear failure rate at median usef	ul life 0.8 %	
100000 h		

50000 h	
Lumen maintenance at median useful life*	L10
100000 h	
Application Conditions	
Ambient temperature range	-20 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes (relates to presence/ movement
	detection and daylight harvesting)
Product Data	
Full product code	871016333996299
Order product name	BY020P LED100S/840 PSU WB GR
EAN/UPC - Product	8710163339962
Order code	911401599651
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	911401599651

L65



Dimensional drawing

50 di



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