



Ledinaire High-bay

BY030P LED150_220_280S/840_50_65 PSU WB

Ledinaire High-bay, All-in, 195 W, 145 W, 100 W, ϕ 320 mm, 15000 lm, 22000 lm, 28000 lm, 4000 K, 5000 K, 6500 K, Symmetrical, IP65, IK07

The Ledinaire highbay range contains a selection of off-the-shelf highbay LED luminaires that comes with the high Philips quality levels at a competitive price. Reliable, energy efficient and affordable. Ledinaire highbay enables, simple and flexible installation, either on a hook, or optional bracket. Products can be installed with optional reflectors for lower glare.

Product data

General Information

Number of gear units	1 unit
Driver included	Yes
Value ladder	Value
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	-

Light Technical

Luminous Flux	15,000 22,000 28,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 5000 6500 K
Luminous Efficacy (rated) (Nom)	152 142 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white, neutral white and 865 cool daylight

Optic type

Symmetrical

Luminaire light beam spread

90°

Unified glare rating CEN

31

All-in Type

All-in, Multi Lumen All-in, Multi Color
Temperature

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	68 A
Inrush time	0.213 ms
Power Consumption	195 145 100 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	9
Suitable for random switching	No

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Protection class IEC	Safety class I	EU RoHS compliant	Yes
Total harmonic distortion	20 %	Performance ambient temperature Tq	25 °C
Controls and Dimming			
Dimmable	No	Flickering value (PstLM) - Flickering value as 1 per EN 61000-3-3	1
Driver/power unit/transformer	Power supply unit	Stroboscopic effect visibility measure (SVM)	0.9
Control interface	-	Ambient temperature range	-30 to +50 °C
Constant light output	No	Initial Performance (IEC Compliant)	
Embedded control	-	Luminous flux tolerance	-10% / +10%
Photocell	-	Initial chromaticity	(0.38, 0.38); (0.31, 0.34) SDCM≤5
Mechanical and Housing			
Housing Material	Aluminum die-cast	Power consumption tolerance	+/-10%
Reflector material	Polycarbonate	Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5
Optic material	Polycarbonate	Over Time Performance (IEC Compliant)	
Optical cover material	Polycarbonate	Control gear failure rate at median useful life	7.5 %
Fixation material	-	50000 h	
Housing Color	Aluminum and black	Control gear failure rate at median useful life	15 %
Optical cover finish	Clear	75000 h	
Reflector Finish	-	Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Overall height	119 mm	Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	L65
Overall diameter	320 mm	Product Data	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	Order product name	BY030P LED150_220_280S/840_50_65 PSU WB
Mech. impact protection code	IK07 [2 J reinforced]	Full product name	BY030P LED150_220_280S/840_50_65 PSU WB
Mounting	Suspended	Full product code	872016975897100
Net Weight (Piece)	2.460 kg	Order code	911401822687
Emergency Operation			
Central Emergency	No	Material Nr. (12NC)	911401822687
Approval and Application			
Glow-wire test	Temperature 650 °C, duration 30 s	Numerator - Quantity Per Pack	1
Flammability mark	For mounting on normally flammable surfaces	EAN/UPC - Product/Case	8720169758971
CE mark	Yes	Numerator - Packs per outer box	1
ENEC mark	-	EAN/UPC - Case	8720169758971
Photobiological risk	Photobiological risk group 1 @200mm to EN62778		

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Dimensional drawing

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