



Ledinaire High-bay

BY022P G3 LED280S/840 PSU WB GR

Ledinaire High-bay, Industry, 185 W, D355 mm, 28000 lm, 4000 K, Wide beam, IP65, IK06

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	3 years
Sustainability rating	-
Light Technical	
Luminous Flux	28,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color rendering index (CRI)	80
Beam angle of light source	116 degree(s)
Light source color	840 neutral white
Optic type	Wide beam

Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	185 W
Inrush current	54 A
Inrush time	750 ms
Power Consumption	185 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	15 %

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Wiring	
Connector Type	Wire
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	-
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Embedded control	Constant light output
Photocell	-
Mechanical and Housing	
Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey
Optical cover finish	Clear
Reflector Finish	-
Overall height	93 mm
Overall diameter	355 mm
Optical finish	-
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Explosion hazard class	-
Mounting	Suspended
Net Weight (Piece)	2.700 kg
Emergency Operation	
Central Emergency	No
Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	-20 °C to 45 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	0.38;0.38
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 35000 h	2.74 %
Control gear failure rate at median useful life 50000 h	4 %
Control gear failure rate at median useful life 75000 h	5.7 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-
Product Data	
Order product name	BY022P G3 LED280S/840 PSU WB GR
Full product name	BY022P G3 LED280S/840 PSU WB GR
Full product code	872016976137700
Order code	911401565244
Material Nr. (12NC)	911401565244
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169761377
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169761377

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Dimensional drawing

