



Ledinaire High-bay

BY021P G2 LED205S/840 PSU WB GR

Ledinaire High-bay, 168 W, D355 mm, 20500 lm, 4000 K, Wide beam, IP65, IK06

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

Product data

General Information	
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Service Tag	No
Lighting Technology	LED
Value ladder	Value
Light Technical	
Luminous Flux	20,500 lm
Luminous efficacy (rated) (nom.)	122 lm/W
Correlated Colour Temperature	4000 K
Colour rendering index (CRI)	>80
Light source colour	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	90°
Unified Glare Rating (CEN)	Not applicable

Total harmonic distortion	20 %
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W W
Inrush current	54 A
Inrush time	0.75 ms
Power Consumption	168 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6
Temperature	
Ambient temperature range	-20 to +45 °C

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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die-cast ADC1 – alloy grade (EN AC-47100)
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	Grey
Optical cover/lens finish	Matte
Overall height	93 mm
Overall diameter	355 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Sustainability rating	-
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
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	7.5 %
50,000 h	
Lumen maintenance at median useful life*	L70
50,000 h	

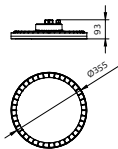
Application Conditions

Performance ambient temperature Tq	35 °C
Suitable for random switching	No

Product Data

Order product name	BY021P G2 LED205S/840 PSU WB GR
Full product name	BY021P G2 LED205S/840 PSU WB GR
Full EOC	871951452404000
Order code	52404000
Material no. (12 NC)	911401642307
Numerator – quantity per pack	1
Net Weight (Piece)	2.450 kg
EAN/UPC – Product/Case	8719514524040
Numerator – packs per outer box	1
EAN/UPC – Case	8719514524040

Dimensional drawing



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