



Ledinaire High-bay

BY020P G2 LED105S/840 PSU WB GR

Ledinaire High-bay, 94 W, D273 mm, 10500 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		Total harmonic distortion	
Light source replaceable	Yes		20 %
Number of gear units	Unit	Operating and Electrical	
Driver included	Yes	Input Voltage	220 to 240 V
Service Tag	No	Line Frequency	50 or 60 Hz
Lighting Technology	LED	Initial CLO power consumption	- W W
Value ladder	Value	Inrush current	40 A
		Inrush time	0.6 ms
		Power Consumption	94 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	8
Light Technical		Temperature	
Luminous Flux	10,500 lm	Ambient temperature range	-20 to +45 °C
Luminous efficacy (rated) (nom.)	112 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		

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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	273 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	

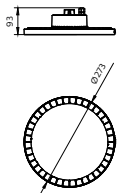
Application Conditions

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

Product Data

Order product name	BY020P G2 LED105S/840 PSU WB GR
Full product name	BY020P G2 LED105S/840 PSU WB GR
Full EOC	871951452405700
Order code	52405700
Material no. (12 NC)	911401642407
Numerator – quantity per pack	1
Net Weight (Piece)	1.460 kg
EAN/UPC – Product/Case	8719514524057
Numerator – packs per outer box	1
EAN/UPC – Case	8719514524057

Dimensional drawing



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