



# 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		Operating and Electrical	
Light source replaceable	Yes	Light source colour	840 neutral white
Number of gear units	Unit	Optic type	Wide beam
Driver included	Yes	Luminaire light beam spread	90°
Lighting Technology	LED	Unified Glare Rating (CEN)	Not applicable
Value ladder	Value		
CE mark	CE mark	Input Voltage	220 to 240 V
Warranty period	3 years	Line Frequency	50 or 60 Hz
Flammability mark	-	Initial CLO power consumption	- W W
ENEC mark	-	Inrush current	40 A
Glow-wire test	Temperature 650 °C, duration 30 s	Inrush time	0.6 ms
EU RoHS compliant	Yes	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			
Luminous Flux	10,500 lm		
Correlated Colour Temperature	4000 K		
Luminous efficacy (rated) (nom.)	112 lm/W		
Colour rendering index (CRI)	>80		

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Temperature	
Ambient temperature range	-20 to +45 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

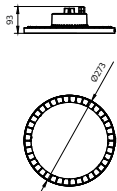
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%

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
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514524057
Numerator – packs per outer box	1
EAN/UPC – Case	8719514524057

## Dimensional drawing



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