



Ledinaire High-bay

BY021P G2 LED205S/840 PSU WB GR

Ledinaire High-bay - Power supply unit - Beam angle 90° - 90°

The Ledinaire range contains a selection of popular off-the-shelf LED luminaires, each of which come with the high Philips' quality levels and competitive price. Reliable, energy-efficient and affordable – just what you need.

Product data

General Information		Unified glare rating CEN	
Light source colour	840 neutral white	Not applicable	
Light source replaceable	Yes	Operating and Electrical	
Number of gear units	1 unit	Input Voltage	220 to 240 V
Driver/power unit/transformer	PSU [Power supply unit]	Input frequency	50 or 60 Hz
Driver included	Yes	Initial CLO power consumption	- W
Optic type	90 [Beam angle 90°]	Inrush current	54 A
Luminaire light beam spread	90°	Inrush time	0.75 ms
Connection	Connection unit 3-pole	Power factor (min.)	0.9
Cable	Cable 0.3 m with connector 3-pole	Controls and Dimming	
Protection class IEC	Safety class I	Dimmable	No
Glow-wire test	Temperature 650 °C, duration 30 s	Mechanical and Housing	
Flammability mark	NO [-]	Housing material	Aluminium die-cast ADC1 – alloy grade (EN AC-47100)
CE mark	CE mark	Reflector material	Aluminium
ENEC mark	-	Optic material	Polycarbonate
Warranty period	3 years	Optical cover/lens material	Polycarbonate
Constant light output	No	Fixation material	Steel
Number of products on MCB (16 A type B)	6	Optical cover/lens finish	Matt
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471		
EU RoHS compliant	Yes		

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Overall height	93 mm
Overall diameter	355 mm
Colour	Dark Grey
Dimensions (height x width x depth)	93 x NaN x NaN mm (3.7 x NaN x NaN in)

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Sustainability rating	-

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	20500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	122 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	168 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	7.5 %
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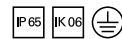
Lumen maintenance at median useful life*	L65
50,000 h	

Application Conditions

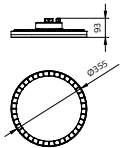
Ambient temperature range	-20 to +45 °C
Performance ambient temperature Tq	35 °C
Suitable for random switching	No

Product Data

Full product code	871951452404000
Order product name	BY021P G2 LED205S/840 PSU WB GR
EAN/UPC – product	8719514524040
Order code	52404000
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	911401642307
SAP net weight (piece)	2.450 kg



Dimensional drawing



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