



# **Ledinaire High-bay**

## **BY020P LED100S/840 PSU WB GR**

Power supply unit - Wide beam - 100°

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	
Beam angle of light source	100 °
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [ Power supply unit]
Driver included	Yes
Optic type	WB [ Wide beam]
Luminaire light beam spread	100°
Control interface	-
Connection	Connection unit 3-pole
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Cable	Cable 0.3 m with connector 3-pole
Cable Protection class IEC	· · · · · · · · · · · · · · · · · · ·
	Cable 0.3 m with connector 3-pole
Protection class IEC	Cable 0.3 m with connector 3-pole Safety class I
Protection class IEC Glow-wire test	Cable 0.3 m with connector 3-pole Safety class I Temperature 650 °C, duration 30 s
Protection class IEC Glow-wire test Flammability mark	Cable 0.3 m with connector 3-pole Safety class I Temperature 650 °C, duration 30 s NO [-]
Protection class IEC Glow-wire test Flammability mark CE mark	Cable 0.3 m with connector 3-pole Safety class I Temperature 650 °C, duration 30 s NO [-]
Protection class IEC Glow-wire test Flammability mark CE mark ENEC mark	Cable 0.3 m with connector 3-pole Safety class I Temperature 650 °C, duration 30 s NO [ -] CE mark -
Protection class IEC Glow-wire test Flammability mark CE mark ENEC mark Warranty period	Cable 0.3 m with connector 3-pole Safety class I Temperature 650 °C, duration 30 s NO [ -] CE mark - 5 years

Unified glare rating CEN	>28
Operating and Electrical	
Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10.6 A
Inrush time	0.13 ms
Power factor (min.)	0.95
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	Aluminium
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Frosted

Datasheet, 2020, January 16 data subject to change

### **Ledinaire High-bay**

Overall height	50 mm
Overall diameter	244 mm
Colour	Dark Grey
Dimensions (height x width x depth)	50 x NaN x NaN mm (2 x NaN x NaN in)
Approval and Application	
Ingress protection code	IP65 [ Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK06 [1J]
Initial Performance (IEC Compliant)	
Initial luminous flux	10000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	103 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <5
Initial input power	97 W
Power consumption tolerance	+/-10%

Lumen maintenance at median useful life*	L65
50,000 h	
Application Conditions	
Ambient temperature range	-20 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes
Product Data	
Full product code	871016333996299
Order product name	BY020P LED100S/840 PSU WB GR
EAN/UPC – product	8710163339962
Order code	33996299
Numerator – quantity per pack	1
Numerator – packs per outer box	4
Material no. (12NC)	911401599651
Net weight (piece)	1.500 kg



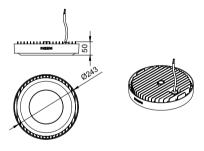




## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h

#### Dimensional drawing



Ledinaire Highbay



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