



# Ledinaire High-bay

## BY020P LED100S/840 PSU WB GR

Ledinaire High-bay, 97 W, D244 mm, 10000 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	No	Beam angle of light source	100 degree(s)
Number of gear units	Unit	Light source colour	840 neutral white
Driver included	Yes	Optic type	Wide beam
Lighting Technology	LED	Luminaire light beam spread	100°
Value ladder	Value	Unified Glare Rating (CEN)	Not applicable
CE mark	Yes	Operating and Electrical	
Warranty period	5 years	Input Voltage	220 to 240 V
Flammability mark	-	Line Frequency	50 to 60 Hz
ENEC mark	-	Initial CLO power consumption	- W
Glow-wire test	Temperature 650 °C, duration 30 s	Average CLO power consumption	- W
EU RoHS compliant	Yes	Inrush current	10.6 A
		Inrush time	0.13 ms
		Power Consumption	97 W
		Power Factor (Fraction)	0.95
		Connection	Connection unit 3-pole
		Cable	Cable 0.3 m with connector 3-pole
Light Technical			
Luminous Flux	10,000 lm		
Correlated Colour Temperature	4000 K		
Luminous efficacy (rated) (nom.)	103 lm/W		
Colour rendering index (CRI)	>80		

# Ledinaire High-bay

Number of products on MCB of 16 A type B	24
--	----

## 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
Reflector material	Aluminium
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	Dark grey
Optical cover/lens finish	Frosted
Overall height	50 mm
Overall diameter	244 mm

## Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Protection class IEC	Safety class I

## 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)

Driver failure rate at 5,000 hours	0.01 %
Control gear failure rate at median useful life 50,000 h	7.5 %
Lumen maintenance at median useful life* 50,000 h	L65

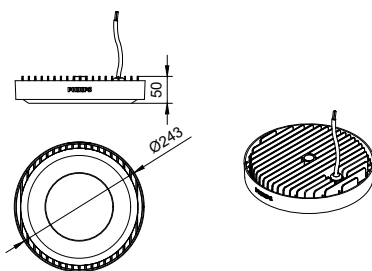
## Application Conditions

Performance ambient temperature Tq	35 °C
Maximum dim level	Not applicable
Suitable for random switching	Yes

## Product Data

Order product name	BY020P LED100S/840 PSU WB GR
Full product name	BY020P LED100S/840 PSU WB GR
Full EOC	871016333996299
Order code	33996299
Material no. (12 NC)	911401599651
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8710163339962
Numerator – packs per outer box	4
EAN/UPC – Case	8710163339979

## Dimensional drawing



## Ledinaire High-bay

