



High quality light helps to save more energy

SmartBright Highbay G2

SmartBright Highbay G2 is a high efficient and reliable LED luminaire. Designed as the point to point replacement for HPI 250W/400W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, with using high quality of the optical plate, it provides an excellent quality of light, which effectively improves the comfort of your environment.

Benefits

- Energy saving up to 64% comparing to HPI-P system
- Comfort light quality
- Safe & Reliable
- Easy installation and retrofitting

Features

- High efficacy: 90 lumens per watt
- High quality optical plate ensure good uniformity
- Lifetime of 50,000 hours @ Ta35°C with end-to-end Philips production quality assurance
- Full family is in compliance with CB and EMC norms
- Suitable for pole and hook mounting

Application

- Industry area: Factories, warehouses, workshops, assembly lines, etc.
- High ceiling indoor: Shopping centres, airports, stadium, etc.

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Versions



BY228P LED90/NW PSU

BY228P LED180/NW PSU

Product details

GreenUp Lowbay G2 BY288Z Hook

GreenUp Lowbay G2 BY288P Back



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Accessories



BY218Z Hook

Ordercode 01561721



Ordercode 911401822097,
911401822297

Application Conditions

Ambient temperature range	-20 to +40 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK03
Ingress protection code	IP20

Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Voltage	220-240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Optic type	WB

Initial Performance (IEC Compliant)

Initial chromaticity	SDCM<5
Init. Colour Rendering Index	≥80
Initial LED luminaire efficacy	90 lm/W
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	Grey and Grey
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Over Time Performance (IEC Compliant)

Median useful life L80B50	25000 h
Median useful life L90B50	15000 h

General Information

Order Code	Full Product Name	Number of gear units
31120300	BY228P LED90/NW PSU EN	1 unit
31118000	BY228P LED90/CW PSU EN	1 unit
31119700	BY228P LED180/CW PSU EN	2 units
31121000	BY228P LED180/NW PSU EN	2 units

Initial Performance (IEC Compliant)

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Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
31120300	BY228P LED90/NW PSU EN	4000 K	9000 lm	100 W
31118000	BY228P LED90/CW PSU EN	6500 K	9000 lm	100 W

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
31119700	BY228P LED180/CW PSU EN	6500 K	18000 lm	200 W
31121000	BY228P LED180/NW PSU EN	4000 K	18000 lm	200 W

