



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 malls, airports, stadium, etc.

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Versions



BY228P LED90



BY228P LED50



BY228P LED180

Product details

GreenUp Lowbay G2 BY288Z Hook



GreenUp Lowbay G2 BY288P Back



SmartBright Highbay G2 BY228P LED90 Front



SmartBright Highbay G2 BY228P LED90 Side



SmartBright Highbay G2 BY228P Reflector



SmartBright Highbay G2 BY228P LED50 Front



SmartBright Highbay G2 BY228P LED50 Side



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Product details



SmartBright Highbay G2 BY228P
LED180 Front



SmartBright Highbay G2 BY228P
LED180 Side

Accessories



BY218Z Hook

Ordercode 911401561721



BY228Z RL-L

Ordercode 911401594531,
911401594631, 911401594731

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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
Optical cover/lens type	Opal
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Optic type	Wide beam
Service tag	Yes

Initial Performance (IEC Compliant)

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

Mechanical and Housing

Color	Gray and gray
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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
911401596431	BY228P LED90/NW PSU	1 unit
911401596631	BY228P LED90/CW PSU	1 unit
911401596531	BY228P LED50/NW PSU	2 units
911401596831	BY228P LED50/CW PSU	2 units
911401596731	BY228P LED180/NW PSU	2 units
911401596931	BY228P LED180/CW PSU	2 units

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial luminous flux	Initial input power
911401596431	BY228P LED90/NW PSU	4000 K	9000 lm	100 W
911401596631	BY228P LED90/CW PSU	6500 K	9000 lm	100 W
911401596531	BY228P LED50/NW PSU	4000 K	5400 lm	60 W
911401596831	BY228P LED50/CW PSU	6500 K	5400 lm	60 W
911401596731	BY228P LED180/NW PSU	4000 K	18000 lm	200 W
911401596931	BY228P LED180/CW PSU	6500 K	18000 lm	200 W

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