



# 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 LED50/NW PSU



BY228P LED90/NW PSU



BY228P LED180/NW PSU

## Product details



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## Product details



## Accessories



Ordercode 911401822097,  
911401822197, 911401822297

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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 (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
911401821497	BY228P LED50/CW PSU EN	2 units
911401821897	BY228P LED50/NW PSU EN	2 units
911401821597	BY228P LED90/NW PSU EN	1 unit
911401821697	BY228P LED180/CW PSU EN	2 units
911401821797	BY228P LED180/NW PSU EN	2 units

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401821497	BY228P LED50/CW PSU EN	6500 K	5400 lm	60 W
911401821897	BY228P LED50/NW PSU EN	4000 K	5400 lm	60 W
911401821597	BY228P LED90/NW PSU EN	4000 K	9000 lm	100 W

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial luminous flux	Initial input power
911401821697	BY228P LED180/CW PSU EN	6500 K	18000 lm	200 W
911401821797	BY228P LED180/NW PSU EN	4000 K	18000 lm	200 W

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