



# SmartBright Highbay G2

## BY228P LED90/NW PSU EN

SmartBright Highbay G2, 100 W, 9000 lm, 4000 K, 110°

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.

### Product data

General Information		Operating and Electrical	
Light source replaceable	No	Luminous Efficacy (rated) (Nom)	90 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	≥80
Driver included	Yes	Light source color	840 neutral white
Light source engine type	LED	Optic type	Wide beam
Glow-wire test	Temperature 650 °C, duration 5 s	Optical cover type	Opal
Flammability mark	For mounting on normally flammable surfaces	Luminaire light beam spread	110°
CE mark	CE mark	Input Voltage	220–240 V
ENEC mark	-	Line Frequency	50 or 60 Hz
Warranty period	3 years	Inrush current	35 A
EU RoHS compliant	No	Inrush time	370 ms
Luminous Flux	9,000 lm	Power Consumption	100 W
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.95
		Connection	Flying leads/wires
		Cable	Cable 0.3 m without plug

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Number of products on MCB of 16 A type B 10

## Temperature

Ambient temperature range -20 to +40 °C

## Controls and Dimming

Dimmable No  
 Driver/power unit/transformer Power supply unit (On/Off)  
 Control interface -  
 Constant light output No

## Mechanical and Housing

Housing Material Aluminum  
 Reflector material -  
 Optic material Polycarbonate  
 Optical cover material Polycarbonate  
 Fixation material -  
 Housing Color Gray and gray  
 Optical cover finish Frosted  
 Overall height 103 mm  
 Overall diameter 250 mm

## Approval and Application

Ingress protection code IP20 [Finger-protected]  
 Mech. impact protection code IK03 [0.3 J]  
 Protection class IEC Safety class I

## Initial Performance (IEC Compliant)

Luminous flux tolerance +/-10%  
 Initial chromaticity SDCM<5  
 Power consumption tolerance +/-10%

## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h 1 %  
 Median useful life L70B50 30,000 hour(s)  
 Median useful life L80B50 25,000 hour(s)  
 Median useful life L90B50 15,000 hour(s)

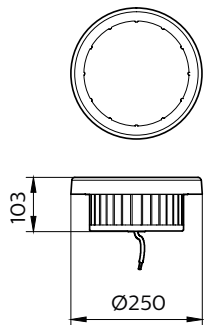
## Application Conditions

Suitable for random switching No

## Product Data

Order product name BY228P LED90/NW PSU EN  
 Full product name BY228P LED90/NW PSU EN  
 Full product code 871016331120300  
 Order code 911401821597  
 Material Nr. (12NC) 911401821597  
 Numerator - Quantity Per Pack 1  
 EAN/UPC - Product/Case 8710163311203  
 Numerator - Packs per outer box 1  
 EAN/UPC - Case 8710163311203

## Dimensional drawing



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