



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
CE mark	CE mark	Optical cover type	Opal
Warranty period	3 years	Luminaire light beam spread	110°
Flammability mark	For mounting on normally flammable surfaces	Input Voltage	220–240 V
ENEC mark	-	Line Frequency	50 or 60 Hz
Glow-wire test	Temperature 650 °C, duration 5 s	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)

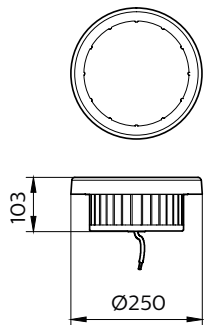
Application Conditions

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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