



# SmartBright Highbay G2

## BY228P LED90/CW PSU

SmartBright Highbay G2, 100 W, 9000 lm, 6500 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

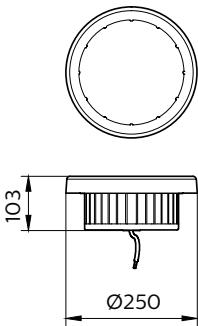
General Information			
Light source replaceable	No	Correlated Color Temperature (Nom)	6500 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	90 lm/W
Driver included	Yes	Color rendering index (CRI)	≥80
Light source engine type	LED	Light source color	865 cool daylight
Service tag	Yes	Optic 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	Operating and Electrical	
ENEC mark	-	Input Voltage	220–240 V
Glow-wire test	Temperature 650 °C, duration 5 s	Line Frequency	50 or 60 Hz
EU RoHS compliant	No	Inrush current	35 A
Light Technical		Inrush time	370 ms
Luminous Flux	9,000 lm	Power Consumption	100 W
		Power Factor (Fraction)	0.95
		Connection	Flying leads/wires

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Cable	Cable 0.3 m without plug
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/CW PSU
Full product name	BY228P LED90/CW PSU
Full product code	911401596631
Order code	911401596631
Material Nr. (12NC)	911401596631
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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