



# SmartBright Highbay G2

## BY228P LED90/CW PSU

Power supply unit - Wide beam - Opal - 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 colour	865 cool daylight	ENEC mark	-
Light source replaceable	No	Warranty period	3 years
Number of gear units	1 unit	Constant light output	No
Driver/power unit/transformer	PSU [ Power supply unit]	Number of products on MCB	10
Driver included	Yes	LED engine type	LED
Optic type	WB [ Wide beam]	<b>Controls and Dimming</b>	
Optical cover/lens type	O [ Opal]	Dimmable	No
Luminaire light beam spread	110°		
Control interface	-		
Connection	Flying leads/wires		
Cable	Cable 0.3 m without plug		
Protection class IEC	Safety class I (I)		
Glow-wire test	650/5 [ Temperature 650 °C, duration 5 s]		
Flammability mark	F [ For mounting on normally flammable surfaces]		
CE mark	CE mark		

## SmartBright Highbay G2

### Mechanical and Housing

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

### Approval and Application

Ingress protection code	IP20 [ Finger-protected]
Mech. impact protection code	IK03 [ 0.3 J]

### Initial Performance (IEC Compliant)

Initial luminous flux	9000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	90 lm/W
Init. Corr. colour temperature	6500 K
Init. colour rendering index	≥80
Initial chromaticity	SDCM<5
Initial input power	100 W

Power consumption tolerance	+/-10%
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### Over Time Performance (IEC Compliant)

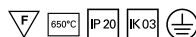
Median useful life L70B50	30000 h
Median useful life L80B50	25000 h
Median useful life L90B50	15000 h

### Application Conditions

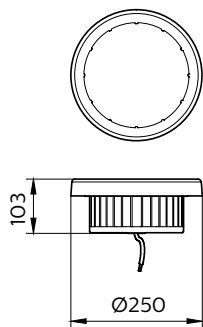
Ambient temperature range	-20 to +40 °C
Suitable for random switching	No

### Product Data

Full product code	911401596631
Order product name	BY228P LED90/CW PSU
Order code	01596631
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401596631
Net weight (piece)	1.499 kg



## Dimensional drawing



BY228P/BY238P/BY239P SmartBright Highbay

