



# SmartBright Highbay G2

## BY228P LED50/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		CE mark	CE mark
Lamp colour code	865 cool daylight	ENEC mark	-
Light source replaceable	No	Warranty period	3 years
Number of gear units	2 units	Constant light output	No
Driver/power unit/transformer	PSU [ Power supply unit]	Number of products on MCB (16 A type B)	20
Driver included	Yes	EU RoHS compliant	No
Optic type	WB [ Wide beam]	Light source engine type	LED
Optical cover/lens type	O [ Opal]	<b>Operating and Electrical</b>	
Luminaire light beam spread	110°	Input Voltage	220-240 V
Control interface	-	Input frequency	50 or 60 Hz
Connection	Flying leads/wires	Inrush current	26 A
Cable	Cable 0.3 m without plug	Inrush time	250 ms
Protection class IEC	Safety class I (I)	Power factor (min.)	0.95
Glow-wire test	650/5 [ Temperature 650 °C, duration 5 s]		
Flammability mark	F [ For mounting on normally flammable surfaces]		

## SmartBright Highbay G2

### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Frosted
Overall height	96 mm
Overall diameter	200 mm
Colour	Grey and Grey

### Approval and Application

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

### Initial Performance (IEC Compliant)

Initial luminous flux	5400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	90 lm/W
Lamp colour temperature	6500 K
Colour Rendering Index	≥80

Initial chromaticity	SDCM<5
Initial input power	60 W
Power consumption tolerance	+/-10%

### 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

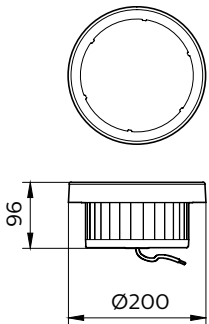
Ambient temperature range	-20 to +40 °C
Suitable for random switching	No

### Product Data

Full product code	911401596831
Order product name	BY228P LED50/CW PSU
Order code	911401596831
SAP numerator – quantity per pack	1
SAP numerator – packs per outer box	1
SAP material	911401596831
Net Weight (Piece)	0.999 kg



## Dimensional drawing



BY228P/BY238P/BY239P SmartBright Highbay

