



# **SmartBright Highbay G2**

### BY228P LED180/CW PSU EN

SmartBright Highbay G2, 200 W, 18000 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
Number of gear units	2 units
Driver included	Yes
Light source engine type	LED
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No
Light Technical	
Luminous Flux	18,000 lm
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	90 lm/W
Color rendering index (CRI)	≥80
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Opal
Luminaire light beam spread	110°
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	65 A
Inrush time	390 ms
Power Consumption	200 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 0.3 m without plug

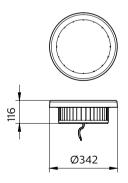
Datasheet, 2023, April 30 data subject to change

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Number of products on MCB of 16 A type B 5		
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	122 mm	
Overall diameter	342 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)	
<b>Application Conditions</b>		
Suitable for random switching	No	
Product Data		
Order product name	BY228P LED180/CW PSU EN	
Full product name	BY228P LED180/CW PSU EN	
Full product code	871016331119700	
Order code	911401821697	
Material Nr. (12NC)	911401821697	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163311197	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8710163311197	

#### Dimensional drawing



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