



SmartBright Highbay G2

BY228P LED90/NW PSU

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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable
Flammability mark	For mounting on normally flammable surfaces
Flammability mark ENEC mark	
ENEC mark	surfaces
ENEC mark Glow-wire test	surfaces - Temperature 650 °C, duration 5 s
ENEC mark Glow-wire test	surfaces - Temperature 650 °C, duration 5 s

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color rendering index (CRI)	≥80
Light source color	840 neutral white
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	35 A
Inrush time	370 ms
Power Consumption	100 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires

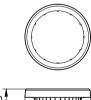
Datasheet, 2023, May 15 data subject to change

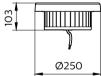
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Cable	Cable 0.3 m without plug	
Number of products on MCB of 16 A type B 10		
Temperature		
Ambient temperature range	-20 to +40 °C	
Controls and Dimming		
Dimmable	No	
Driver/power unit/transformer	Power supply unit (On/Off)	
Control interface	-	
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/NW PSU	
Full product name	BY228P LED90/NW PSU	
Full product code	911401596431	
Order code	911401596431	
Material Nr. (12NC)	911401596431	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	

Dimensional drawing





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