



# **SmartBright Highbay G2**

### **BY228P LED90/NW PSU EN**

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
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	9,000 lm
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
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 t	<b>уре В</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
Suitable for random switching	No
Suitable for random switching  Product Data	No
	No BY228P LED90/NW PSU EN
Product Data	
Product Data Order product name	BY228P LED90/NW PSU EN
Product Data Order product name Full product name	BY228P LED90/NW PSU EN BY228P LED90/NW PSU EN
Product Data Order product name Full product name Full product code	BY228P LED90/NW PSU EN BY228P LED90/NW PSU EN 871016331120300
Product Data Order product name Full product code Order code	BY228P LED90/NW PSU EN BY228P LED90/NW PSU EN 871016331120300 911401821597
Product Data Order product name Full product code Order code Material Nr. (12NC)	BY228P LED90/NW PSU EN BY228P LED90/NW PSU EN 871016331120300 911401821597 911401821597
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#### Dimensional drawing



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