



SmartBright Highbay G2

BY228P LED90/NW 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	
Lamp colour code	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optic type	WB [Wide beam]
Optical cover/lens type	O [Opal]
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

ENEC mark	-
Warranty period	3 years
Constant light output	No
Number of products on MCB	10
LED engine type	LED

Operating and Electrical	
Input voltage	220-240 V
Input frequency	50 or 60 Hz
Inrush current	35 A
Inrush time	370 ms
Power factor (min.)	0.95

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	103 mm
Overall diameter	250 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	9000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	90 lm/W
Lamp colour temperature	4000 K
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

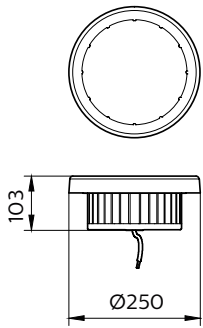
Ambient temperature range	-20 to +40 °C
Suitable for random switching	No

Product Data

Full product code	911401596431
Order product name	BY228P LED90/NW PSU
Order code	911401596431
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	911401596431
Net weight (piece)	1.499 kg



Dimensional drawing



BY228P/BY238P/BY239P SmartBright Highbay

