

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
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
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

SmartBright Highbay G2

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)

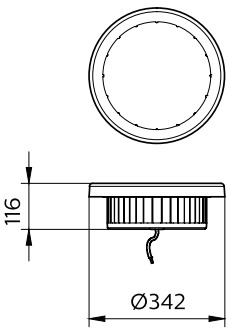
Application Conditions

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





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.