PHILIPS

Lighting



SmartBright Highbay G3

BY239P LED150/CW PSU

SmartBright Highbay G3, 145 W, 15000 lm, 6500 K, 100°

SmartBright Highbay G3 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 cover, 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	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No

Light Technical	
Luminous Flux	15,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	80
Beam angle of light source	- degree(s)
Light source color	865 cool daylight
Optic type	-
Optical cover type	Polycarbonate bowl/cover foggy
Luminaire light beam spread	100°

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10.8 A
Inrush time	0.15 ms
Power Consumption	145 W

SmartBright Highbay G3

Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 0.3 m without plug
Number of products on MCB of 16 A type B	16

Temperature

Ambient temperature range	-20 to +45 °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 die cast
Reflector material	-
Optic material	-
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Dark gray
Optical cover finish	Frosted
Overall height	60 mm
Overall diameter	344 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.313.0.324)SDCM<5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.01 %
Median useful life L70B50	30,000 hour(s)
Median useful life L80B50	20,000 hour(s)
Median useful life L90B50	10,000 hour(s)

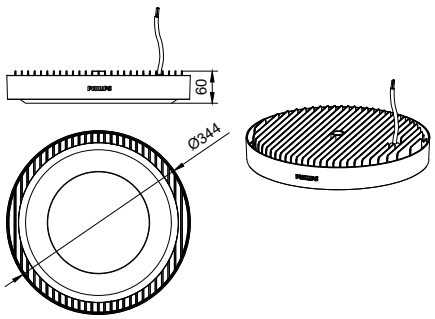
Application Conditions

Maximum dim level	Not applicable

Product Data

Order product name	BY239P LED150/CW PSU
Full product name	BY239P LED150/CW PSU
Full product code	911401564851
Order code	911401564851
Material Nr. (12NC)	911401564851
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6923828633516
Numerator - Packs per outer box	4
EAN/UPC - Case	6923828633615

Dimensional drawing





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