



# SmartBright Highbay G3

## BY239P LED100/CW PSU

Power supply unit - - - Polycarbonate bowl/cover foggy - 100°

SmartBright Highbay G3 is a highly efficient and reliable LED luminaire. Designed as the point-to-point replacement for HPI 250 W/400 W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance. In addition, using the high-quality optical provides an excellent quality of light, which effectively improves the comfort of your environment.

### Product data

General Information		Operating and Electrical	
Beam angle of light source	- °	CE mark	CE mark
Lamp colour code	865 cool daylight	ENEC mark	-
Light source replaceable	No	Warranty period	3 years
Number of gear units	1 unit	Constant light output	No
Driver/power unit/transformer	PSU [ Power supply unit]	Number of products on MCB (16 A type B)	24
Driver included	Yes	EU RoHS compliant	No
Optic type	No [ -]	LED engine type	LED
Optical cover/lens type	Polycarbonate bowl/cover foggy		
Luminaire light beam spread	100°	Input Voltage	220 to 240 V
Control interface	-	Input frequency	50 to 60 Hz
Connection	No [ -]	Initial CLO power consumption	- W
Cable	Cable 0.3 m without plug	Average CLO power consumption	- W
Protection class IEC	Safety class I (I)	Inrush current	10.6 A
Glow-wire test	650/5 [ Temperature 650 °C, duration 5 s]	Inrush time	0.13 ms
Flammability mark	NO [ -]		

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Power factor (min.)	0.9
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing material	Aluminum die-cast
Reflector material	-
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	Aluminium
Optical cover/lens finish	Frosted
Overall height	50 mm
Overall diameter	243 mm
Colour	Dark Grey

## Approval and Application

Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [ 1 J]

## Initial Performance (IEC Compliant)

Initial luminous flux	10000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	103 lm/W
Lamp colour temperature	6500 K
Colour Rendering Index	80

Initial chromaticity	(0.313.0.324)SDCM<5
Initial input power	97 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Median useful life L70B50	30000 h
Median useful life L80B50	20000 h
Median useful life L90B50	10000 h

## Application Conditions

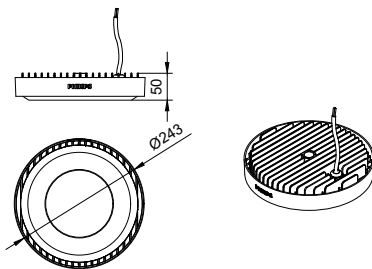
Ambient temperature range	-20 to +45 °C
Maximum dimming level	Not applicable

## Product Data

Full product code	911401564651
Order product name	BY239P LED100/CW PSU
EAN/UPC – product	6923828633530
Order code	01564651
Numerator – quantity per pack	1
SAP numerator – packs per outer box	4
Material no. (12 NC)	911401564651
SAP net weight (piece)	1.500 kg



## Dimensional drawing



BY228P/BY238P/BY239P SmartBright Highbay

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