

# Lighting

**PHILIPS** 

# 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

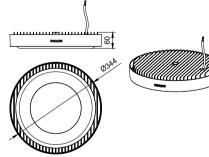
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	80
Beam angle of light source	- degree(s)
Light source color	865 cool daylight
Optic type	-
Optical cover type	Polycarbonate bowl/cover foggy
Luminaire light beam spread	100°
Operating and Electrical	
Input Voltage	220 to 240 V
Line 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	Protection class IEC	Safety class I
Connection	-		
Cable	Cable 0.3 m without plug	Initial Performance (IEC Compliant)	
Number of products on MCB of 16 A type B 16		Luminous flux tolerance	+/-10%
		Initial chromaticity	(0.313.0.324)SDCM<5
Temperature		Power consumption tolerance	+/-10%
Ambient temperature range	-20 to +45 ℃		
		Over Time Performance (IEC Compliant)	
Controls and Dimming		Driver failure rate at 5000 h	0.01 %
Dimmable	No	Median useful life L70B50	30,000 hour(s)
Driver/power unit/transformer	Power supply unit (On/Off)	Median useful life L80B50	20,000 hour(s)
Control interface	-	Median useful life L90B50	10,000 hour(s)
Constant light output	No		
		Application Conditions	
Mechanical and Housing		Maximum dim level	Not applicable
Housing Material	Aluminum die cast		
Reflector material	-	Product Data	
Optic material	-	Order product name	BY239P LED150/CW PSU
Optical cover material	Polycarbonate	Full product name	BY239P LED150/CW PSU
Fixation material	Aluminum	Full product code	911401564851
Housing Color	Dark gray	Order code	911401564851
Optical cover finish	Frosted	Material Nr. (12NC)	911401564851
Overall height	60 mm	Numerator - Quantity Per Pack	1
Overall diameter	344 mm	EAN/UPC - Product/Case	6923828633516
		Numerator - Packs per outer box	4
Approval and Application		EAN/UPC - Case	6923828633615
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]		

#### Dimensional drawing

Mech. impact protection code





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