

# Lighting

**PHILIPS** 

# SmartBright Highbay G3

## BY238P LED100/CW PSU RLC

SmartBright Highbay G3, 97 W, 10000 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**

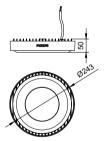
General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	-
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
EU RoHS compliant	No
Light Technical	
Luminous Flux	10,000 lm
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	103 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	10.6 A
Inrush time	0.13 ms
Power Consumption	97 W

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Power Factor (Fraction)	0.9	Mech. impact protection code	IK06 [1 J]
Connection	-	Protection class IEC	Safety class I
Cable	Cable 0.3 m without plug		
Number of products on MCB of 16 A type B	24	Initial Performance (IEC Compliant)	
		Luminous flux tolerance	+/-10%
Temperature		Initial chromaticity	(0.313.0.324)SDCM<5
Ambient temperature range	-20 to +45 °C	Power consumption tolerance	+/-10%
Controls and Dimming		Over Time Performance (IEC Compliant)	)
Dimmable	No	Driver failure rate at 5000 h	0.01 %
Driver/power unit/transformer	Power supply unit (On/Off)	Median useful life L70B50	30,000 hour(s)
Control interface	-	Median useful life L80B50	20,000 hour(s)
Constant light output	No	Median useful life L90B50	10,000 hour(s)
Mechanical and Housing		Application Conditions	
Housing Material	Aluminum die cast	Maximum dim level	Not applicable
Reflector material	-		
Optic material	-	Product Data	
Optical cover material	Polycarbonate	Order product name	BY238P LED100/CW PSU RL
Fixation material	Aluminum	Full product name	BY238P LED100/CW PSU RLG
Housing Color	Dark gray	Full product code	911401582651
Optical cover finish	Frosted	Order code	911401582651
Overall height	50 mm	Material Nr. (12NC)	911401582651
Overall diameter	243 mm	Numerator - Quantity Per Pack	1
		Numerator - Packs per outer box	2
Approval and Application			
Ingress protection code			

#### Dimensional drawing





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www.lighting.philips.com 2023, October 25 - data subject to change