

GreenPerform Highbay HT

BY687P LED250/CW PSR WB G2 XT EN

GreenPerform Highbay HT, 185 W, 25000 lm, 6500 K, 93°

GreenPerform Highbay High Ta is an ideal solution for high temperature application and special heavy industry, enables a safe working environment with leading specication and comfortable light. In the meanwhile, lower the overall maintenance cost eventually.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
CE mark	CE mark
Warranty period	3 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	No

Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	135 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	865 cool daylight
Optic type	Wide beam
Optical cover type	Tempered glass
Luminaire light beam spread	93°

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	38.3 A
Inrush time	625 ms
Power Consumption	185 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 0.3 m without plug
Number of products on MCB of 16 A type B	6

GreenPerform Highbay HT

Temperature	
Ambient temperature range	-30 to +60 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	-
Housing Color	Silver
Optical cover finish	Clear
Overall height	165 mm
Overall diameter	520 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I

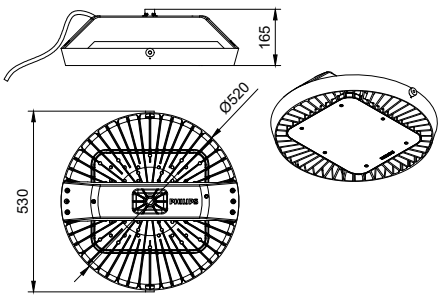
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.313.0.324)SDCM<5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.01 %
Median useful life L70B50	75,000 hour(s)
Median useful life L80B50	60,000 hour(s)
Median useful life L90B50	45,000 hour(s)

Application Conditions	
Maximum dim level	10% (depends on dimmer, ELV)
Suitable for random switching	No

Product Data	
Order product name	BY687P LED250/CW PSR WB G2 XT EN
Full product name	BY687P LED250/CW PSR WB G2 XT EN
Full product code	911401515151
Order code	911401515151
Material Nr. (12NC)	911401515151
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

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.