![Philips Lighting]

GreenPerform Highbay HT

BY687P LED250/NW PSR NB G2 XT

GreenPerform Highbay HT, 185 W, 25000 lm, 4000 K, 60°

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.
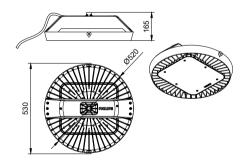
Product data

General Information

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

Light Technical

Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	135 lm/W
Color rendering index (CRI)	>80

Light source color	840 neutral white
Optic type	Narrow beam
Optical cover type	Tempered glass
Luminaire light beam spread	60°

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	(0.38.0.38)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/NW PSR NB G2 XT
Full product name	BY687P LED250/NW PSR NB G2 XT
Full product code	911401514851
Order code	911401514851
Material Nr. (12NC)	911401514851
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1

Dimensional drawing

www.lighting.philips.com

2023, October 30 – data subject to change