

GreenPerform Highbay HT

BY688P LED160/CW PSD WB G2 120-277XTEN

GreenPerform Highbay HT, 120 W, 16000 lm, 6500 K, DALI, 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	16,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	133 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	120 to 277 V
Line Frequency	50 to 60 Hz
Inrush current	126 A
Inrush time	140 ms
Power Consumption	120 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	8

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Temperature	
Ambient temperature range	-30 to +60 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
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	150 mm
Overall diameter	456 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

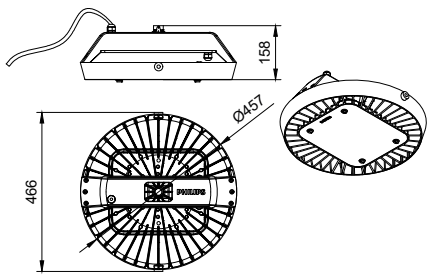
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.313.0.324)SDCM<5
Power consumption tolerance	+/-10%

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	BY688P LED160/CW PSD WB G2 120-277XTEN
Full product name	BY688P LED160/CW PSD WB G2 120-277XTEN
Full product code	911401515351
Order code	911401515351
Material Nr. (12NC)	911401515351
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing





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