



GreenPerform Highbay G4

BY518P LED105/NW PSD WB

GreenPerform Highbay G4, 83 W, 10500 lm, 4000 K, DALI, 90°

Following the success of GreenPerform Highbay families, GreenPerform Highbay G4 is continuously exploring a better price & performance balance. The product family offers wide product ranges, competitive enough SPEC with long term quality & reliability, covering most of the potential industrial applications.

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 750 °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	Yes
Light Technical	
Luminous Flux	10,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	127 lm/W
Color rendering index (CRI)	>80

Beam angle of light source	90 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°
Optical cover type	Without cover
Luminaire light beam spread	90°
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	83 W
Average CLO power consumption	83 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	83 W
Power Factor (Fraction)	0.95
Connection	-
Cable	Cable 0.3 m without plug

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Number of products on MCB of 16 A type B 13	
Temperature	
Ambient temperature range	-30 to +45 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	DALI
Constant light output	Programmable
Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	Aluminum
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Gray
Optical cover finish	Clear
Overall height	335 mm
Overall diameter	307 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.1 %
Median useful life L70B50	50,000 hour(s)
Application Conditions	
Maximum dim level	5%
Suitable for random switching	No
Product Data	
Order product name	BY518P LED105/NW PSD WB
Full product name	BY518P LED105/NW PSD WB
Full product code	911401536861
Order code	911401536861
Material Nr. (12NC)	911401536861
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing

