PHILIPS

Lighting



GreenPerform Highbay G4

BY698P LED205/850 PSU WB CAU G2 CL

GreenPerform Highbay G4, 149 W, 20500 lm, 5000 K, 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
Service tag	Yes
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 30 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	20,500 lm
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	135 lm/W
Color rendering index (CRI)	>80
Light source color	850 neutral white
Optic type	Symmetrical
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	90°

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	54 A
Inrush time	0.65 ms
Power Consumption	149 W
Power Factor (Fraction)	0.95
Cable	Cable 3.0 m with plug
Number of products on MCB of 16 A type B	8

GreenPerform Highbay G4

Temperature	
Ambient temperature range	-30 to +50 °C

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Optical cover finish	Clear
Overall height	99 mm
Overall diameter	360 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

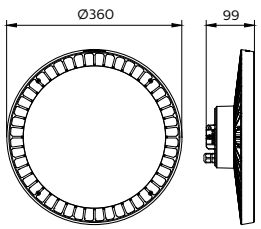
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Median useful life L70B50	50,000 hour(s)

Application Conditions	
Maximum dim level	Not applicable
Suitable for random switching	No

Product Data	
Order product name	BY698P LED205/850 PSU WB CAU G2 CL
Full product name	BY698P LED205/850 PSU WB CAU G2 CL
Full product code	871016334641000
Order code	911401519061
Material Nr. (12NC)	911401519061
Local order code	BY698P2085PWF
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163346410
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163346410

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.