PHILIPS

BY698P G5 LED300/CW PSU WB GM

911401530045



GreenPerform Highbay G5, 181 W, 31000 lm, 6500 K, 85°

The GreenPerform Highbay G5 continues the GreenPerform family's enviable reputation for reliable performance. Not only does it deliver leading system efficacy and extended long-term quality, it also promises Unified Glare Rating (UGR) control with compact dimensions. GreenPerform Highbay G5 is also fully compatible with IoT software such as Interact, which is a scalable, future-proof control system. The family also has a series that supports cold room applications with 100% humidity and no condensation. All benefits than make this robust, optimized, and versatile family suitable for almost all industrial applications.

General Information

Number of gear units	1 unit
Gear	-
Driver included	Yes
Light source engine type	LED
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	31,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	171 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	115 degree(s)
Light source color	865 cool daylight
Optic type	Wide beam

Luminaire light beam spread	85°
Unified glare rating CEN	25
Effective projected area	0 m²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	54 A
Inrush time	0.75 ms
Power Consumption	181 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
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	-
Control interface	-
Maximum dim level	Not applicable

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Grey
Mounting device	Suspension set simple, standard
Optical cover finish	Clear
Overall height	99 mm
Overall diameter	393 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Clear dome
Net Weight (Piece)	4.190 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Ambient temperature range	-30 °C to 50 °C

UV

UV-C radiation	0 W
UV-C irradiance defined at 0.2m	0 mW/m²

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.317, 0.338) SDCM<5
Power consumption tolerance	+/-10%

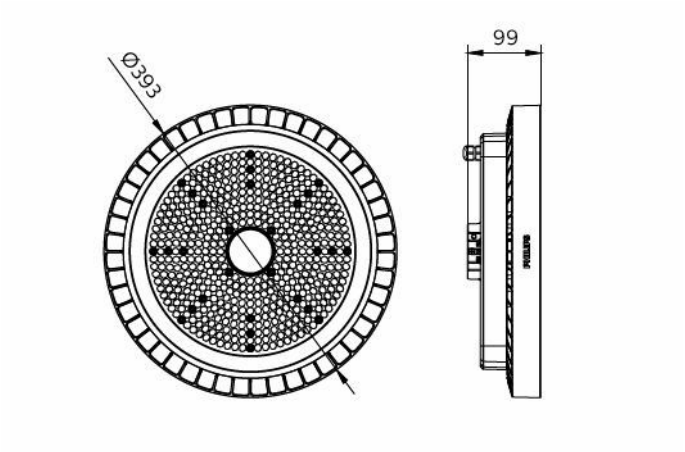
Application Conditions

Lumen Maintenance	75000hrs

Product Data

Order product name	BY698P G5 LED300/CW PSU WB GM
Full product name	BY698P G5 LED300/CW PSU WB GM
Full product code	872110332704800
Order code	911401530045
Material Nr. (12NC)	911401530045
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103327048
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103327048

Dimensional drawing



Related Documents

Photometry and lighting design	Document Name	Download
IES File	BY698P-G5-LED300-CW-PSU-WB-GM.ies	Download

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. 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.