PHILIPS

Lighting

GreenPerform Highbay G5

BY698P G5 LED105/CW PSU NB GM

GreenPerform Highbay G5, 63 W, 10500 lm, 6500 K, 55°

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.

Product data

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	10,500 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	166 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	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22
Effective projected area	0 m²

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	32.6 A
Inrush time	0.666 ms
Power Consumption	63 W
Power Factor (Fraction)	0.95

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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	90 mm
Overall diameter	290 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)	1.990 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

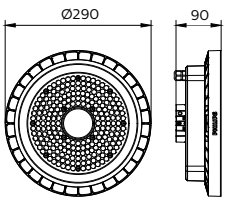
Initial Performance (IEC Compliant)

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

Product Data

Order product name	BY698P G5 LED105/CW PSU NB GM
Full product name	BY698P G5 LED105/CW PSU NB GM
Order code	911401528545
Material Nr. (12NC)	911401528545
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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