PHILIPS

Lighting

GreenPerform Elite Highbay G2

BY778P LED200/NW PSU NB

GreenPerform Elite Highbay G2, 105 W, 20000 lm, 4000 K, 55°

GreenPerform Elite Highbay G2 is the latest innovation in our successful range of highbay luminaires for high ceiling and industrial applications. GreenPerform Elite Highbay G2 improves on the unique finless housing and flat optics design of earlier versions of the luminaire. Its clean and appealing aesthetic works perfectly in industrial application as well as high-ceiling applications in airports, lobbies, and other indoor areas. This versatile luminaire offers a wealth of practical features, including great light quality, exceptional energy savings, a long lifetime at an affordable price, and a wide variety of optics and lumen packages. GreenPerform Elite Highbay G2 also offers options for advanced connectivity with IoT-based systems and software applications, including Interact Pro. If you're looking for a robust, reliable, fit-and-forget solution with connectivity advantages, GreenPerform Elite Highbay G2 is the smart choice.

Product data

General Information	
Number of gear units	1 unit
Gear	EBR [Electronic regulating]
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Value ladder	Specification
Warranty period	5 years

Light Technical	
Luminous Flux	20,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	190 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	55 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 55°
Luminaire light beam spread	55°

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Unified glare rating CEN	22
Effective projected area	0.1 m²

Operating and Electrical

Input Voltage	200 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	91.5 A
Inrush time	0.128 ms
Power Consumption	105 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	12
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 Alloy
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Housing Color	Gray
Mounting device	Pole Mounting
Optical cover finish	Clear
Overall height	95 mm
Overall diameter	350 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Optical cover type	Polycarbonate
Net Weight (Piece)	2.600 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	4.9 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Ambient temperature range	-40 to +50 °C

UV

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

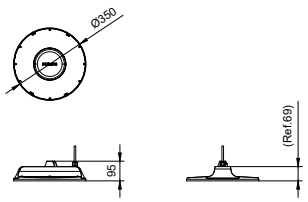
Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.3818,0.3797) SDCM < 5
Power consumption tolerance	+/-10%

Product Data

Order product name	BY778P LED200/NW PSU NB
Full product name	BY778P LED200/NW PSU NB
Order code	911401621509
Material Nr. (12NC)	911401621509
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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2024, August 22 - data subject to change