PHILIPS

Lighting

GreenPerform Elite Highbay G2

BY778X LED100/CW SIA WB CAU

GreenPerform Elite Highbay G2, 55 W, 10000 lm, 6500 K, Sensor-based dim, 90°

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
Warranty period	5 years

Light Technical	
Luminous Flux	10,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	182 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	90 degree(s)
Light source color	865 cool daylight
Optic type	Beam angle 90°

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Luminaire light beam spread	90°
Unified glare rating CEN	25
Effective projected area	0.1 m²

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	11.2 A
Inrush time	0.135 ms
Power Consumption	55 W
Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 3.0 m with plug
Number of products on MCB of 16 A type B	15
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Wireless Dim
Control interface	Sensor-based dim
Maximum dim level	20%

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	138 mm
Overall diameter	350 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK05 [0.7 J]

Optical cover type	Polycarbonate
Net Weight (Piece)	3.800 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	-30 to +50 °C

UV

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

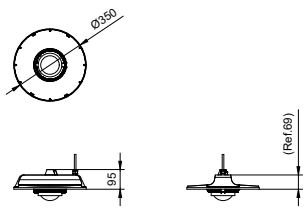
Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.3123,0.3282) SDCM < 5
Power consumption tolerance	+/-10%

Product Data

Order product name	BY778X LED100/CW SIA WB CAU
Full product name	BY778X LED100/CW SIA WB CAU
Order code	911401634809
Material Nr. (12NC)	911401634809
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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2024, December 9 - data subject to change