GreenPerform Elite Highbay G2

BY778X LED150/CW SIA NB

GreenPerform Elite Highbay G2, 82 W, 15000 lm, 6500 K, Sensor-based dim, 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
Warranty period	5 years

Light Technical

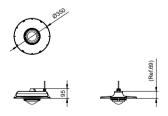|	
Luminous Flux	15,000 lm
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	183 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	55 degree(s)
Light source color	865 cool daylight
Optic type	Beam angle 55°

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Luminaire light beam spread	55°		Optical cover type	Polycarbonate
Unified glare rating CEN	22		Net Weight (Piece)	3.500 kg
Effective projected area	0.1 m²			

Operating and Electrical

			Approval and Application	
Input Voltage	220 to 240 V		Glow-wire test	Temperature 650 °C, duration 30 s
Line Frequency	50 to 60 Hz		Flammability mark	–
Inrush current	11.2 A		CE mark	Yes
Inrush time	0.135 ms		ENEC mark	–
Power Consumption	82 W		Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Power Factor (Fraction)	0.95			
Connection	Flying leads/wires		Photobiological risk specification	4.9 m
Cable	Cable 0.3 m without plug		EU RoHS compliant	Yes
Number of products on MCB of 16 A type B	15		Performance ambient temperature Tq	35 °C
Suitable for random switching	Yes		Ambient temperature range	–30 to +50 °C
Protection class IEC	Safety class I			

Controls and Dimming

			UV	
Dimmable	Wireless Dim		UV-C radiation	0 W
Control interface	Sensor–based dim		UV-C irradiance defined at 0.2m	0 mW/m²
Maximum dim level	20%			

Mechanical and Housing

			Initial Performance (IEC Compliant)	
Housing Material	Aluminum Alloy		Luminous flux tolerance	–10% / +10%
Reflector material	–		Initial chromaticity	(0.3123,0.3282) SDCM < 5
Optic material	Polycarbonate		Power consumption tolerance	+/-10%
Optical cover material	Polycarbonate			
Housing Color	Gray		Product Data	
Mounting device	Pole Mounting		Order product name	BY778X LED150/CW SIA NB
Optical cover finish	Clear		Full product name	BY778X LED150/CW SIA NB
Overall height	138 mm		Order code	911401632509
Overall diameter	350 mm		Material Nr. (12NC)	911401632509
Ingress protection code	IP65 [Dust penetration–protected, jet–proof]		Numerator – Quantity Per Pack	1
Mech. impact protection code	IK05 [0.7 J]		Numerator – Packs per outer box	1

Dimensional drawing

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www.lighting.philips.com

2025, January 11 – data subject to change