



GreenPerform Elite Highbay G2

BY778P LED400/NW PSD WB CAU

GreenPerform Elite Highbay G2, 222 W, 40000 lm, 4000 K, DALI, 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	2 units
Gear	EBD [Electronic regulating DALI]
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Warranty period	5 years

Light Technical	
Luminous Flux	40,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	180 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Beam angle of light source	90 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°

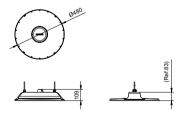
Datasheet, 2024, December 9 data subject to change

GreenPerform Elite Highbay G2

Luminaire light beam spread 90° Unified glare rating CEN 25 Effective projected area 0.18 m² Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 222 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 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming DALI Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm			
Effective projected area 0.18 m² Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 222 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 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm	Luminaire light beam spread	90°	
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Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 222 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 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm	Effective projected area	0.18 m²	
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Power Factor (Fraction) Connection Flying leads/wires Cable Cable Cable 3.0 m with plug Number of products on MCB of 16 A type B 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI Maximum dim level 20% Mechanical and Housing Housing Material Aluminum Alloy Reflector material Polycarbonate Optical cover material Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height Overall diameter 480 mm	Inrush time	0.3 ms	
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Cable Cable 3.0 m with plug Number of products on MCB of 16 A type B 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm	Power Factor (Fraction)	0.95	
Number of products on MCB of 16 A type B 8 Suitable for random switching Yes Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm	Connection	Flying leads/wires	
Suitable for random switching Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI Maximum dim level 20% Mechanical and Housing Housing Material Aluminum Alloy Reflector material - Optic material Polycarbonate Optical cover material Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height Overall diameter 480 mm	Cable	Cable 3.0 m with plug	
Protection class IEC Safety class I Controls and Dimming Dimmable DALI Control interface DALI Maximum dim level 20% Mechanical and Housing Housing Material Aluminum Alloy Reflector material Optic material Polycarbonate Optical cover material Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height Overall diameter 480 mm	Number of products on MCB of 16 A type B 8		
Controls and Dimming Dimmable DALI Control interface DALI Maximum dim level 20% Mechanical and Housing Housing Material Aluminum Alloy Reflector material - Optic material Polycarbonate Optical cover material Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Suitable for random switching	Yes	
Dimmable DALI Control interface DALI 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 109 mm Overall diameter 480 mm	Protection class IEC	Safety class I	
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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 109 mm Overall diameter 480 mm	Control interface	DALI	
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 109 mm Overall diameter 480 mm	Maximum dim level	20%	
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 109 mm Overall diameter 480 mm			
Reflector material - Optic material Polycarbonate Optical cover material Polycarbonate Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Mechanical and Housing		
Optic material Polycarbonate Optical cover material Polycarbonate Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Housing Material	Aluminum Alloy	
Optical cover material Polycarbonate Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Reflector material	-	
Housing Color Gray Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Optic material	Polycarbonate	
Mounting device Pole Mounting Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Optical cover material	Polycarbonate	
Optical cover finish Clear Overall height 109 mm Overall diameter 480 mm	Housing Color	Gray	
Overall height 109 mm Overall diameter 480 mm	Mounting device	Pole Mounting	
Overall diameter 480 mm	Optical cover finish	Clear	
	Overall height	109 mm	
Ingress protection code IP66 [Dust penetration-protected, jet-proof]	Overall diameter	480 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)	7.000 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
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 ℃
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 LED400/NW PSD WB CAU
Full product name	BY778P LED400/NW PSD WB CAU
Order code	911401631409
Material Nr. (12NC)	911401631409
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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