



GreenPerform Highbay G3

BY698P LED110 CW PSD NB

GreenPerform Highbay G3, 85 W, 10000 lm, 6500 K, DALI, 60°

Following the successful introduction of the GreenPerform Highbay G2 in 2013, while continue providing the superior light quality, long service lifetime, reduced energy consumption and less maintenance in the switch on-off (PSU) and Dali dimmable (PSD) versions, the new generation Highbay seamlessly integrates state-of-the-art LED lighting with an easy-to-use and reliable wireless ZIGBEE control solution (ACW) and simple movement detection solution (PIR). In the ACW version products, when the situation on the work floor changes, settings such as dimming levels and timing can be changed wirelessly by the end-users themselves. Luminaires can be combined in groups across the layout, and re-zoning them does not require a hardware change, thus minimizing commissioning costs. The system delivers savings over and above the actual efficiency of the LEDs and is future-proof. In the PIR version products, when there has no movement detected after 15 minutes, the lighting will dimming down to 25% of the lumen output, which helps to maximum your energy saving in a simple way. Easy to understand, easy to design-in, and easy to use, GreenPerform Highbay G3 is a smart way to light up your business.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Light source engine type	LED
Service tag	Yes
Glow-wire test	Temperature 650 °C, duration 5 s

Flammability mark	For mounting on normally flammable
	surfaces
CE mark	CE mark
Warranty period	3 years
Light Technical	
Luminous Flux	10,000 lm

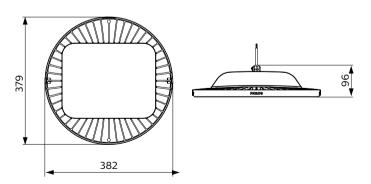
Datasheet, 2023, October 26 data subject to change

GreenPerform Highbay G3

Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) 118 lm/W Color rendering index (CRI) 280 Light source color 865 cool daylight Optic type Narrow beam Optical cover type Polycarbonate bowl/cover Luminaire light beam spread 60° Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) Connection Flying leads/wires Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output Number index and Housing Housing Material Optic ander on Polycarbonate Optical cover material Polycarbonate Optical cover material Housing Color		
Color rendering index (CRI) >80 Light source color 865 cool daylight Optic type Narrow beam Optical cover type Polycarbonate bowl/cover Luminaire light beam spread 60° Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material	Correlated Color Temperature (Nom)	6500 K
Light source color Optic type Optical cover type Optical cover type Polycarbonate bowl/cover Luminaire light beam spread Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range Temperature Ambient temperature range Power supply unit with DALI interface Control interface Control interface Control interface Control interface Control interface Aluminum die cast Optic material Polycarbonate Optical cover material	Luminous Efficacy (rated) (Nom)	118 lm/W
Optic type Narrow beam Optical cover type Polycarbonate bowl/cover Luminaire light beam spread 60° Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Control interface Control interface Control interface Constant light output No Mechanical and Housing Housing Material Optic material Polycarbonate Optical cover material	Color rendering index (CRI)	>80
Optical cover type Luminaire light beam spread Operating and Electrical Input Voltage Line Frequency So to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) Cable Cable Other of products on MCB of 16 A type B Temperature Ambient temperature range Temperature Ambient temperature range Temperature Ambient temperature range Power Supply unit with DALI interface Control interface DALI Constant light output Mechanical and Housing Housing Material Optic material Optic material Optical cover material Polycarbonate Optical cover material Polycarbonate Polycarbonate	Light source color	865 cool daylight
Luminaire light beam spread 60° Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Optic type	Narrow beam
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Optical cover type	Polycarbonate bowl/cover
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material	Luminaire light beam spread	60°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material		
Line Frequency 50 to 60 Hz Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Operating and Electrical	
Inrush current 46 A Inrush time 0.25 ms Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Input Voltage	220 to 240 V
Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Line Frequency	50 to 60 Hz
Power Consumption 85 W Power Factor (Fraction) 0.95 Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type 11 B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Inrush current	46 A
Power Factor (Fraction) Connection Flying leads/wires Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Control interface Control interface Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Polycarbonate	Inrush time	0.25 ms
Connection Flying leads/wires Cable Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Power Consumption	85 W
Cable Cable 3.0 m without plug Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Power Factor (Fraction)	0.95
Number of products on MCB of 16 A type B Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Connection	Flying leads/wires
Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Cable	Cable 3.0 m without plug
Temperature Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Number of products on MCB of 16 A type	11
Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Optic material Polycarbonate Optical cover material	В	
Ambient temperature range -30 to +50 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Optic material Polycarbonate Optical cover material		
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Temperature	
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Ambient temperature range	-30 to +50 °C
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate		
Driver/power unit/transformer Control interface DALI Constant light output No Mechanical and Housing Housing Material Optic material Optical cover material Polycarbonate Polycarbonate	Controls and Dimming	
Control interface DALI Constant light output No Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Dimmable	Yes
Constant light output No Mechanical and Housing Housing Material Optic material Optical cover material Polycarbonate Polycarbonate	Driver/power unit/transformer	Power supply unit with DALI interface
Mechanical and Housing Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Control interface	DALI
Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate	Constant light output	No
Housing Material Aluminum die cast Optic material Polycarbonate Optical cover material Polycarbonate		
Optic material Polycarbonate Optical cover material Polycarbonate	Mechanical and Housing	
Optical cover material Polycarbonate	Housing Material	Aluminum die cast
	Optic material	Polycarbonate
Housing Color Dark gray	Optical cover material	Polycarbonate

Optical cover finish	Clear
Overall height	96 mm
Overall diameter	379 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.313.0.324)SDCM<5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compl	iant)
Driver failure rate at 5000 h	0.01 %
Median useful life L70B50	50,000 hour(s)
Median useful life L80B50	40,000 hour(s)
Median useful life L90B50	30,000 hour(s)
Application Conditions	
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY698P LED110 CW PSD NB
Full product name	BY698P LED110 CW PSD NB
Full product code	911401515231
Order code	911401515231
Material Nr. (12NC)	911401515231
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



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