



GreenPerform Highbay G3

BY698X LED160/NW PIR NB EN

GreenPerform Highbay G3, 120 W, 16000 lm, 4000 K, 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	16,000 lm	

Datasheet, 2023, September 4 data subject to change

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Correlated Color Temperature (Nom)	4000 K	Overall heig
Luminous Efficacy (rated) (Nom)	133 lm/W	Overall dian
Color rendering index (CRI)	>80	
Light source color	840 neutral white	Approval a
Optic type	Narrow beam	Ingress prot
Optical cover type	Polycarbonate bowl/cover	Mech. impa
Luminaire light beam spread	60°	Protection o
Operating and Electrical		Initial Perf
Input Voltage	220 to 240 V	Luminous flu
Line Frequency	50 to 60 Hz	Initial chron
Inrush current	46 A	Power cons
Inrush time	0.44 ms	
Power Consumption	120 W	Over Time
Power Factor (Fraction)	0.95	Driver failur
Connection	External connector	Median use
Cable	Cable 0.25 m with push-in connector 3-pole	Median use
Number of products on MCB of 16 A t	rype B 11	Median usef
Temperature		Applicatio
Ambient temperature range	-30 to +50 °C	Suitable for
Controls and Dimming		Product D
Dimmable	Yes	Order produ
Driver/power unit/transformer	Power supply unit regulating	Full product
Control interface	-	Full product
Constant light output	No	Order code
		Material Nr.
Mechanical and Housing		Numerator -
Housing Material	Aluminum die cast	EAN/UPC -
Optic material	Polycarbonate	Numerator -
Optical cover material	Polycarbonate	EAN/UPC -
Housing Color	Dark gray	
Optical cover finish	Clear	_

Overall height	105 mm	
Overall diameter	417 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	(0.38.0.38)SDCM<5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		
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		
Suitable for random switching	Yes	
Product Data		
Order product name	BY698X LED160/NW PIR NB EN	
Full product name	BY698X LED160/NW PIR NB EN	
Full product code	871016332885000	
Order code	911401865799	
Material Nr. (12NC)	911401865799	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163328850	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8710163328850	

Dimensional drawing

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