PHILIPS Lighting



GreenPerform Highbay G3

BY698X LED160/CW PIR NB L3000 EN

GreenPerform Highbay G3, 120 W, 16000 lm, 6500 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		Flammability mark	For mounting on normally flammable
Light source replaceable	No		surfaces
Number of gear units	1 unit	CE mark	CE mark
Driver included	Yes	Warranty period	3 years
Light source engine type	LED		
Service tag	Yes	Light Technical	
Glow-wire test	Temperature 650 °C, duration 5 s	Luminous Flux	16,000 lm

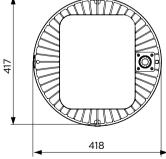
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Correlated Color Temperature (Nom)	6500 K	Optical cover finish
Luminous Efficacy (rated) (Nom)	133 lm/W	Overall height
Color rendering index (CRI)	>80	Overall diameter
Light source color	865 cool daylight	
Optic type	Narrow beam	Approval and App
Optical cover type	Polycarbonate bowl/cover	Ingress protection co
Luminaire light beam spread	60°	Mech. impact protect
		Protection class IEC
Operating and Electrical		
Input Voltage	220 to 240 V	Initial Performanc
Line Frequency	50 to 60 Hz	Luminous flux tolera
Inrush current	46 A	Initial chromaticity
Inrush time	0.44 ms	Power consumption
Power Consumption	120 W	
Power Factor (Fraction)	0.95	Over Time Perform
Connection	Flying leads/wires	Driver failure rate at
Cable	Cable 3.0 m without plug	Median useful life L7
Number of products on MCB of 16 A type	11	Median useful life L8
В		Median useful life L9
Temperature		Application Condi
Ambient temperature range	-30 to +50 ℃	Suitable for random
Controls and Dimming		Product Data
Dimmable	Yes	Order product name
Driver/power unit/transformer	Power supply unit regulating	Full product name
Control interface	-	Full product code
Constant light output	No	Order code
		Material Nr. (12NC)
Mechanical and Housing		Numerator - Quantit
Housing Material	Aluminum die cast	Numerator - Packs p
Optic material	Polycarbonate	
Optical cover material	Polycarbonate	
Housing Color	Dark gray	

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 Complia	nt)	
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.313.0.324)SDCM<5	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Con	npliant)	
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/CW PIR NB L3000 EN	
Full product name	BY698X LED160/CW PIR NB L3000 EN	
Full product code	911401866799	
Order code	911401866799	
Material Nr. (12NC)	911401866799	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	

Clear

Dimensional drawing





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