



GreenPerform Highbay G3

BY698P LED160/NW PSD WB EN

GreenPerform Highbay G3, 120 W, 16000 lm, 4000 K, DALI, 100°

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
CE mark	CE mark

Warranty period	3 years
Flammability mark	For mounting on normally flammable
	surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light Technical	
Luminous Flux	16,000 lm

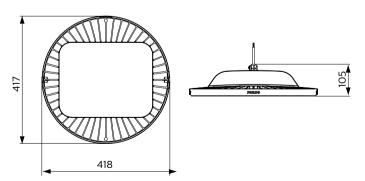
Datasheet, 2023, April 30 data subject to change

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Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	133 lm/W	
Color rendering index (CRI)	>80	
Light source color	840 neutral white	
Optic type	Wide beam	
Optical cover type	Polycarbonate bowl/cover	
Luminaire light beam spread	100°	
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	120 W	
Power Factor (Fraction)	0.95	
Connection	External connector	
Cable	Cable 0.25 m with push-in connector 3-pole	
Number of products on MCB of 16 A type B 8		
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		
Mechanical and Housing Housing Material	Aluminum die cast	
	Aluminum die cast Polycarbonate	
Housing Material		
Housing Material Optic material	Polycarbonate	
Housing Material Optic material Optical cover material	Polycarbonate Polycarbonate	

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		
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY698P LED160/NW PSD WB EN	
Full product name	BY698P LED160/NW PSD WB EN	
Full product code	871016332873700	
Order code	911401844299	
Material Nr. (12NC)	911401844299	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8710163328737	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8710163328737	

Dimensional drawing



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