



GreenPerform Highbay G3

BY698P LED300/NW PSD NB EN

GreenPerform Highbay G3, 225 W, 29000 lm, 4000 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	2 units
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	29,000 lm

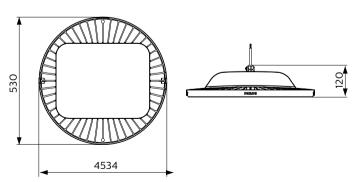
Datasheet, 2023, April 30 data subject to change

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Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	129 lm/W	
Color rendering index (CRI)	>80	
Light source color	840 neutral white	
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	9.6 A	
Inrush time	2.3 ms	
Power Consumption	225 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 12		
Temperature		
Ambient temperature range	-30 to +50 ℃	
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	
Housing Color	Dark gray	
-		
Optical cover finish	Clear	
Optical cover finish Overall height	Clear 120 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 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812	Overall diameter	530 mm	
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 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812			
Mech. impact protection code 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 Median useful life L70B50 Median useful life L80B50 Median useful life L90B50 Application Conditions Maximum dim level 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product code 871016332881200 Order code 911401864599 Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case 8710163328812	Approval and Application		
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Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 871016332881200 Order code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812	Driver failure rate at 5000 h	0.01 %	
Median useful life L90B50 30,000 hour(s) Application Conditions Maximum dim level 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 871016332881200 Order code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812	Median useful life L70B50	50,000 hour(s)	
Application Conditions Maximum dim level 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 871016332881200 Order code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812	Median useful life L80B50	40,000 hour(s)	
Maximum dim level 5% Suitable for random switching No Product Data Order product name BY698P LED300/NW PSD NB EN Full product name BY698P LED300/NW PSD NB EN Full product code 871016332881200 Order code 911401864599 Material Nr. (12NC) 911401864599 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8710163328812	Median useful life L90B50	30,000 hour(s)	
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EAN/UPC - Product/Case 8710163328812	Material Nr. (12NC)	911401864599	
	Numerator - Quantity Per Pack	1	
	EAN/UPC - Product/Case	8710163328812	
Numerator - Packs per outer box 1	Numerator - Packs per outer box	1	
EAN/UPC - Case 8710163328812	EAN/UPC - Case	8710163328812	

Dimensional drawing



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