



GreenPerform Highbay G3

BY698P LED160/NW PSD NB L3000 EN

GreenPerform Highbay G3, 120 W, 16000 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	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

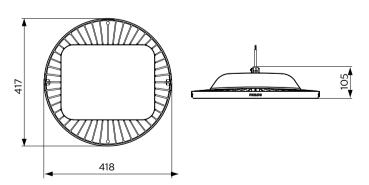
Datasheet, 2023, September 4 data subject to change

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	133 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	53 A
Inrush time	0.3 ms
Power Consumption	120 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 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	
Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optic material Optical cover material	Polycarbonate Polycarbonate
<u> </u>	
Optical cover material	Polycarbonate

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 NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 1	Overall height	105 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 Median useful life L70B50 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 NB L3000 EN Full product code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Overall diameter	417 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 Median useful life L70B50 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 NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1			
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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 NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Initial chromaticity	(0.38.0.38)SDCM<5	
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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 10% Suitable for random switching No Product Data Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Driver failure rate at 5000 h	0.01%	
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 NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Median useful life L70B50	50,000 hour(s)	
Application Conditions Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Median useful life L80B50	40,000 hour(s)	
Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Median useful life L90B50	30,000 hour(s)	
Maximum dim level 10% Suitable for random switching No Product Data Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1			
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Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1	Suitable for random switching	No	
Order product name BY698P LED160/NW PSD NB L3000 EN Full product name BY698P LED160/NW PSD NB L3000 EN Full product code 911401846099 Order code 911401846099 Material Nr. (12NC) 911401846099 Numerator - Quantity Per Pack 1			
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Numerator - Quantity Per Pack 1	Order code	911401846099	
	Material Nr. (12NC)	911401846099	
Numerator - Packs per outer box 1	Numerator - Quantity Per Pack	1	
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Dimensional drawing



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