



# **GreenPerform Highbay G3**

### BY698P LED300/CW PSD ENB L3000 EN

GreenPerform Highbay G3, 225 W, 29000 lm, 6500 K, DALI, 30°

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

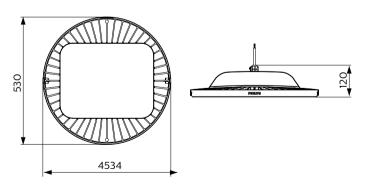
Datasheet, 2023, April 30 data subject to change

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Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	>80
Light source color	865 cool daylight
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	30°
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	Flying leads/wires
Cable	Cable 3.0 m without plug
Number of products on MCB of 16 A type	12
В	
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
Optical cover material	Polycarbonate
Housing Color	Dark gray

Mech. impact protection code       IK07 [2 J reinforced]         Protection class IEC       Safety class I         Initial Performance (IEC Compliant)       Luminous flux tolerance         Initial chromaticity       (0.313.0.324)SDCM<5         Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)       Driver failure rate at 5000 h         Driver failure rate at 5000 h       0.01 %         Median useful life L70B50       50,000 hour(s)         Median useful life L90B50       30,000 hour(s)         Application Conditions       Maximum dim level         Maximum dim level       5%         Suitable for random switching       No         Product Data       Order product name       BY698P LED300/CW PSD ENB L3000 EN         Full product name       BY698P LED300/CW PSD ENB L3000 EN         Full product code       911401865099         Order code       911401865099	Optical cover finish	Clear
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 (0.313.0.324)SDCM<5 Power consumption tolerance +/-10%  Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 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/CW PSD ENB L3000 EN Full product name BY698P LED300/CW PSD ENB L3000 EN Full product code 911401865099 Order code	Overall height	120 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  (0.313.0.324)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  5%  Suitable for random switching  No  Product Data  Order product name  BY698P LED300/CW PSD ENB L3000 EN  Full product code  911401865099  Order code	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  (0.313.0.324)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  5%  Suitable for random switching  No  Product Data  Order product name  BY698P LED300/CW PSD ENB L3000 EN  Full product code  911401865099  Order code		
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Protection class IEC Safety class I  Initial Performance (IEC Compliant)  Luminous flux tolerance +/-10%  Initial chromaticity (0.313.0.324)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/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
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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/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	Luminous flux 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/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	Initial chromaticity	(0.313.0.324)SDCM<5
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         5%           Maximum dim level         5%           Suitable for random switching         No           Product Data         Product Data           Order product name         BY698P LED300/CW PSD ENB L3000 EN           Full product name         BY698P LED300/CW PSD ENB L3000 EN           Full product code         911401865099           Order code         911401865099	Power consumption tolerance	+/-10%
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         5%           Maximum dim level         5%           Suitable for random switching         No           Product Data         Product Data           Order product name         BY698P LED300/CW PSD ENB L3000 EN           Full product name         BY698P LED300/CW PSD ENB L3000 EN           Full product code         911401865099           Order code         911401865099		
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     5%       Maximum dim level     5%       Suitable for random switching     No       Product Data     BY698P LED300/CW PSD ENB L3000 EN       Full product name     BY698P LED300/CW PSD ENB L3000 EN       Full product code     911401865099       Order code     911401865099	Over Time Performance (IEC Comp	oliant)
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/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	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/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	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/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	Median useful life L80B50	40,000 hour(s)
Maximum dim level 5%  Suitable for random switching No  Product Data  Order product name BY698P LED300/CW PSD ENB L3000 EN  Full product name BY698P LED300/CW PSD ENB L3000 EN  Full product code 911401865099  Order code 911401865099	Median useful life L90B50	30,000 hour(s)
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Order product name     BY698P LED300/CW PSD ENB L3000 EN       Full product name     BY698P LED300/CW PSD ENB L3000 EN       Full product code     911401865099       Order code     911401865099	Suitable for random switching	No
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Full product code         911401865099           Order code         911401865099	Order product name	BY698P LED300/CW PSD ENB L3000 EN
<b>Order code</b> 911401865099	Full product name	BY698P LED300/CW PSD ENB L3000 EN
	Full product code	911401865099
Material Nr. (12NC) 911401865099	Order code	911401865099
indicate in (initial)	Material Nr. (12NC)	911401865099
Numerator - Quantity Per Pack 1	Numerator - Quantity Per Pack	1
Numerator - Packs per outer box 1	Numerator - Packs per outer box	1

## Dimensional drawing



## **GreenPerform Highbay G3**



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