



# **GreenPerform Highbay G3**

### BY698P LED200/NW PSD NB L3000 EN

GreenPerform Highbay G3, 155 W, 20000 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
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	20,000 lm

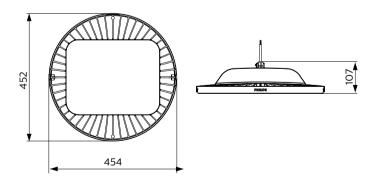
Datasheet, 2023, April 30 data subject to change

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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	53 A	
Inrush time	0.3 ms	
Power Consumption	155 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 ℃	
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	
• • • • • • • • • • • • • • • • • • • •	Dain Gray	
Optical cover finish	Clear	

Overall diameter 452 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 h  Median useful life L80B50 40,000 h  Median useful life L90B50 30,000 h	Overall height	107 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 h  Median useful life L80B50 40,000 h	Overall diameter	452 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 h  Median useful life L80B50 40,000 h			
Mech. impact protection code IKO7 [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 h  Median useful life L80B50 40,000 h	Approval and Application		
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 h  Median useful life L80B50 40,000 h	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
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 h  Median useful life L80B50 40,000 h	Mech. impact protection code	IK07 [2 J reinforced]	
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 h  Median useful life L80B50 40,000 h	Protection class IEC	Safety class I	
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 h  Median useful life L80B50 40,000 h			
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 h  Median useful life L80B50 40,000 h	Initial Performance (IEC Compliant)		
Power consumption tolerance +/-10%  Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.01%  Median useful life L70B50 50,000 h  Median useful life L80B50 40,000 h	Luminous flux tolerance	+/-10%	
Over Time Performance (IEC Compliant)  Driver failure rate at 5000 h 0.01%  Median useful life L70B50 50,000 h  Median useful life L80B50 40,000 h	Initial chromaticity	(0.38.0.38)SDCM<5	
Driver failure rate at 5000 h         0.01 %           Median useful life L70B50         50,000 h           Median useful life L80B50         40,000 h	Power consumption tolerance	+/-10%	
Driver failure rate at 5000 h         0.01 %           Median useful life L70B50         50,000 h           Median useful life L80B50         40,000 h			
Median useful life L70B50         50,000 h           Median useful life L80B50         40,000 h	Over Time Performance (IEC Compliant)		
Median useful life L80B50 40,000 h	Driver failure rate at 5000 h	0.01%	
	Median useful life L70B50	50,000 h	
Median useful life L90B50 30,000 h	Median useful life L80B50	40,000 h	
	Median useful life L90B50	30,000 h	
Application Conditions	Application Conditions		
Maximum dim level 10%	Maximum dim level	10%	
Suitable for random switching No	Suitable for random switching	No	
Product Data	Product Data		
Order product name         BY698P LED200/NW PSD NB L3000 EN	Order product name	BY698P LED200/NW PSD NB L3000 EN	
Full product name         BY698P LED200/NW PSD NB L3000 EN	Full product name	BY698P LED200/NW PSD NB L3000 EN	
<b>Full product code</b> 911401845299	Full product code	911401845299	
<b>Order code</b> 911401845299	Order code	911401845299	
<b>Material Nr. (12NC)</b> 911401845299	Material Nr. (12NC)	911401845299	
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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