



GreenPerform Highbay G3

BY698P LED160 NW PSU NB

GreenPerform Highbay G3, 120 W, 16000 lm, 4000 K, 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 minimising 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

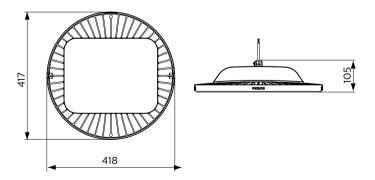
Datasheet, 2023, May 16 data subject to change

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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	46 A
Inrush time	0.44 ms
Power Consumption	120 W
Power Factor (Fraction)	0.95
	Flying leads /yvives
Connection	Flying leads/wires
Cable Capte	Cable 3.0 m without plug
	Cable 3.0 m without plug
Cable	Cable 3.0 m without plug
Cable	Cable 3.0 m without plug
Cable Number of products on MCB of 16 A type B	Cable 3.0 m without plug
Cable Number of products on MCB of 16 A type B Temperature	Cable 3.0 m without plug 3 11
Cable Number of products on MCB of 16 A type B Temperature	Cable 3.0 m without plug 3 11
Cable Number of products on MCB of 16 A type I Temperature Ambient temperature range	Cable 3.0 m without plug 3 11
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming	Cable 3.0 m without plug 3 11 -30 to +50 °C
Cable Number of products on MCB of 16 A type I Temperature Ambient temperature range Controls and Dimming Dimmable	Cable 3.0 m without plug 3 11 -30 to +50 °C
Cable Number of products on MCB of 16 A type I Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	Cable 3.0 m without plug 3 11 -30 to +50 °C
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Cable 3.0 m without plug 3 11 -30 to +50 °C No Power supply unit (On/Off) -
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Cable 3.0 m without plug 3 11 -30 to +50 °C No Power supply unit (On/Off) -
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Cable 3.0 m without plug 3 11 -30 to +50 °C No Power supply unit (On/Off) -
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Cable 3.0 m without plug 3 11 -30 to +50 °C No Power supply unit (On/Off) - No
Cable Number of products on MCB of 16 A type II Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Cable 3.0 m without plug 3 11 -30 to +50 °C No Power supply unit (On/Off) - No Aluminum die cast

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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	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 (0.38.0.38)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 Suitable for random switching No Product Data Order product name BY69BP LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Overall height	105 mm	
Ingress protection code Mech. impact protection code Mech. impact protection code Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product code 911401514131 Material Nr. (12NC) Numerator - Quantity Per Pack 1 Initial performance (IEC Compliant) Safety class I IKO7 [2 J reinforced] No 1007 1008 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009	Overall diameter	417 mm	
Ingress protection code Mech. impact protection code Mech. impact protection code Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Median useful life L70B50 Median useful life L80B50 Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product code 911401514131 Material Nr. (12NC) Numerator - Quantity Per Pack 1 Initial performance (IEC Compliant) Safety class I IKO7 [2 J reinforced] No 1007 1008 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009 1009			
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 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Approval and Application		
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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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	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 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	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 hour(s) Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1			
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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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Initial chromaticity	(0.38.0.38)SDCM<5	
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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Power consumption tolerance	+/-10%	
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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1			
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 Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Over Time Performance (IEC Compliant)		
Median useful life L80B50 40,000 hour(s) Median useful life L90B50 30,000 hour(s) Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Driver failure rate at 5000 h	0.01%	
Median useful life L90B50 30,000 hour(s) Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Median useful life L70B50	50,000 hour(s)	
Application Conditions Suitable for random switching No Product Data Order product name BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Median useful life L80B50	40,000 hour(s)	
No Product Data	Median useful life L90B50	30,000 hour(s)	
No Product Data			
Product Data BY698P LED160 NW PSU NB Full product name BY698P LED160 NW PSU NB Full product code 911401514131 Order code 911401514131 Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Application Conditions		
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Material Nr. (12NC) 911401514131 Numerator - Quantity Per Pack 1	Full product code	911401514131	
Numerator - Quantity Per Pack 1	Order code	911401514131	
	Material Nr. (12NC)	911401514131	
Numerator - Packs per outer box 1	Numerator - Quantity Per Pack	1	
	Numerator - Packs per outer box	1	

Dimensional drawing



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