



GreenPerform Highbay G3 - Excellent light quality, maximum energy savings.

GreenPerform Highbay G3

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.

GreenPerform Highbay G3

Benefits

- High energy saving up to 65%~88% comparing to HPI-P system
- Superb light quality
- Easy installation and maintenance
- Future-proof system: wireless adjustment of lighting settings and fast re-zoning if use of space changes (ACW versions)
- Light for need: Lighting dimming down to 25% after 15 minutes if no movement detected (PIR versions)

Features

- High efficacy: 130 lumens per watt
- Low UGR (NB/20 ~WB/26) and accurate colour (CRI> 80)
- Lifetime 50,000 hours with IP65 & IK07 protection
- Super slim design and suits for hook, pipe mounting
- Integrated with 1-10V PIR occupancy and movement based dimming sensor (PIR version)
- Integrated with ZigBee control, movement detection and day harvest sensor (ACW version)

Application

- General Industry Application: Factory, Warehouse, Distribution center
- Indoor sport hall
- Other high ceiling indoor applications

Specifications

Ambient Temperature	-30 to +45 °C -30 to +50 °C
Beam spread luminaire	100°, 30°, 60°
Main colour of the luminaire	Dark Grey Dark Grey (Pantone 8405C)
Initial correlated colour temperature	4000 K, 6500 K
Initial luminous flux	11000 lm, 16000 lm, 20000 lm, 29000 lm
Input frequency	50 to 60 Hz
Input voltage	220 to 240 V
Light source colour	840 neutral white, 865 cool daylight

Material	Housing: aluminium die-cast
Material other1	Housing: die-cast aluminium: Cover: polycarbonate, flat
Median Useful Life L70B50	50000 h
Median Useful Life L80B50	40000 h
Median Useful Life L90B50	30000 h
Type	BY698P (Fix driver and Dali driver versions)BY698X (1-10V sensor and Dali ZigBee system versions)

Versions



BY698P LED300

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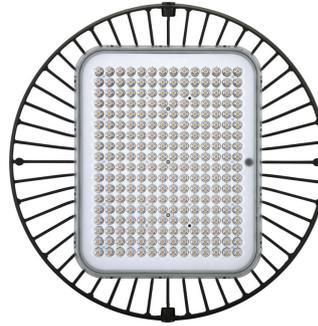
Product details



GreenPerform Highbay G3
BY698P Fixed Back



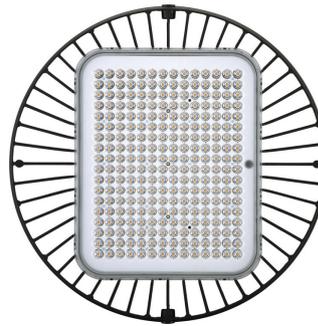
GreenPerform Highbay G3
BY698P Fixed Side



GreenPerform Highbay G3
BY698P LED300 Front



GreenPerform Highbay G3
BY698P with Bracket



GreenPerform Highbay G3
BY698P LED200 Front



GreenPerform Highbay G3
BY698P LED160 Front



GreenPerform Highbay G3
BY698P LED110 Front



BY698P Fix



BY698P Fix

GreenPerform Highbay G3

Product details



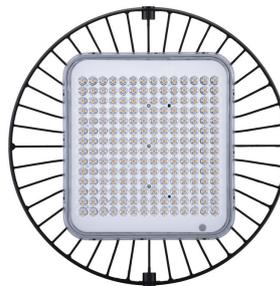
BY698P



BY698P



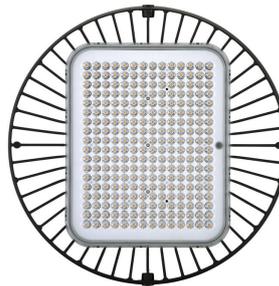
BY698P LED200



BY698P LED160



BY698P LED110



BY698P LED300

GreenPerform Highbay G3

Application Conditions

Suitable for random switching No

Approval and Application

Mech. impact protection code IK07

Ingress protection code IP65

Controls and Dimming

Dimmable No

Operating and Electrical

Input Voltage 220 to 240 V

General Information

CE mark CE mark

Protection class IEC Safety class I

Optical cover/lens type Polycarbonate
bowl/cover

Driver included Yes

Flammability mark For mounting on
normally
flammable
surfaces

Glow-wire test Temperature 650
°C, duration 5 s

Light source replaceable No

Initial Performance (IEC Compliant)

Init. Colour rendering index >80

Luminous flux tolerance +/-10%

Mechanical and Housing

Colour Dark Grey

Over Time Performance (IEC Compliant)

Median useful life L80B50 40000 h

Median useful life L90B50 30000 h

Application Conditions

Order Code	Full Product Name	Ambient temperature range
911401844999	BY698P LED200/CW PSU WB L3000 EN	-30 to +45 °C
911401845099	BY698P LED200/NW PSU WB L3000 EN	-30 to +45 °C
911401845799	BY698P LED160/CW PSU WB L3000 EN	-30 to +50 °C
911401846599	BY698P LED110/CW PSU WB L3000 EN	-30 to +50 °C
911401864699	BY698P LED300/CW PSU ENB L3000 EN	-30 to +50 °C
911401864899	BY698P LED300/CW PSU NB L3000 EN	-30 to +50 °C

General Information

Order Code	Full Product Name	Number of gear	
		units	Optic type
911401844999	BY698P LED200/CW PSU WB L3000 EN	One unit	Wide beam
911401845099	BY698P LED200/NW PSU WB L3000 EN	One unit	Wide beam
911401845799	BY698P LED160/CW PSU WB L3000 EN	One unit	Wide beam

Order Code	Full Product Name	Number of gear	
		units	Optic type
911401846599	BY698P LED110/CW PSU WB L3000 EN	One unit	Wide beam
911401864699	BY698P LED300/CW PSU ENB L3000 EN	Two units	Narrow beam
911401864899	BY698P LED300/CW PSU NB L3000 EN	Two units	Narrow beam

Initial Performance (IEC Compliant) (1/2)

GreenPerform Highbay G3

Order Code	Full Product		Init. Corr.	LED	Initial
	Name	Initial chromaticity	Colour	luminaire	luminous
			Temperature	efficacy	flux
911401844999	BY698P LED200/C W PSU WB L3000 EN	(0.313.0.324)SDCM<5	6500 K	129 lm/W	20000 lm
911401845099	BY698P LED200/N W PSU WB L3000 EN	(0.38.0.38)SDCM<5	4000 K	129 lm/W	20000 lm
911401845799	BY698P LED160/C W PSU WB L3000 EN	(0.313.0.324)SDCM<5	6500 K	133 lm/W	16000 lm
911401846599	BY698P LED110/C	(0.313.0.324)SDCM<5	6500 K	129 lm/W	11000 lm

Order Code	Full Product		Init. Corr.	LED	Initial
	Name	Initial chromaticity	Colour	luminaire	luminous
			Temperature	efficacy	flux
	W PSU WB L3000 EN				
911401864699	BY698P LED300/C W PSU ENB L3000 EN	(0.313.0.324)SDCM<5	6500 K	129 lm/W	29000 lm
911401864899	BY698P LED300/C W PSU NB L3000 EN	(0.313.0.324)SDCM<5	6500 K	129 lm/W	29000 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
911401844999	BY698P LED200/CW PSU WB L3000 EN	155 W
911401845099	BY698P LED200/NW PSU WB L3000 EN	155 W
911401845799	BY698P LED160/CW PSU WB L3000 EN	120 W

Order Code	Full Product Name	Initial input power
911401846599	BY698P LED110/CW PSU WB L3000 EN	85 W
911401864699	BY698P LED300/CW PSU ENB L3000 EN	225 W
911401864899	BY698P LED300/CW PSU NB L3000 EN	225 W

