



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°, 60°
Main colour of the luminaire	Dark Grey
	Dark Grey (Pantone 8405C)
Initial correlated colour temperature	6500 K
Initial luminous flux	10000 lm, 11000 lm, 16000 lm, 20000 lm, 29000 lm
Input frequency	50 to 60 Hz
Input voltage	220 to 240 V
Light source colour	865 cool daylight

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

Versions



BY698P LED300

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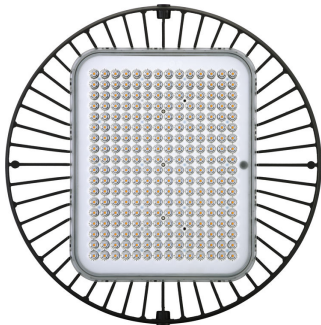
Product details



GreenPerform Highbay G3
BY698P Fixed Back



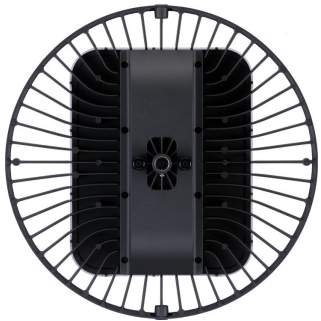
GreenPerform Highbay G3
BY698P Fixed Side



GreenPerform Highbay G3
BY698P LED300 Front



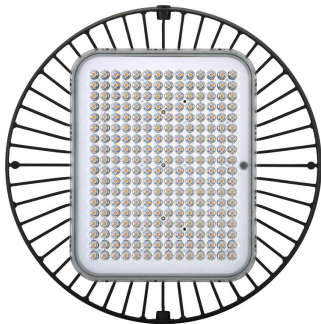
GreenPerform Highbay G3
BY698P with Bracket



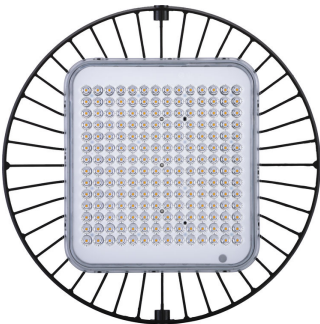
GreenPerform Highbay G3
BY698P Dali Back



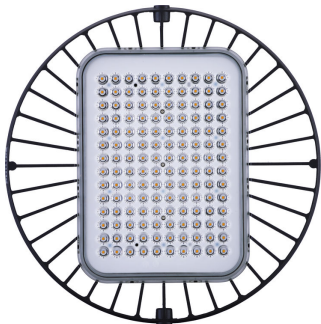
GreenPerform Highbay G3
BY698P Dali Side



GreenPerform Highbay G3
BY698P LED200 Front



GreenPerform Highbay G3
BY698P LED160 Front



GreenPerform Highbay G3
BY698P LED110 Front

Product details



BY698P Fix



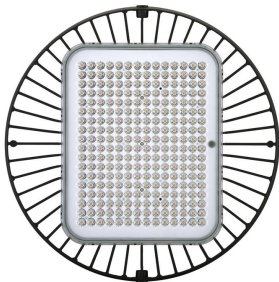
BY698P Fix



BY698P



BY698P



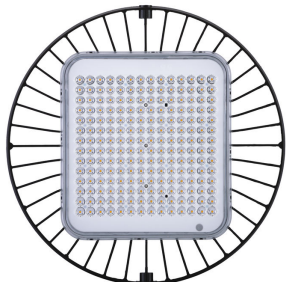
BY698P LED200



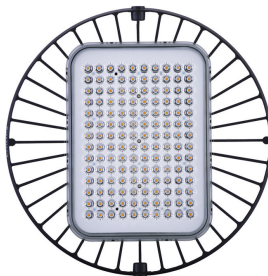
BY698P Dali



BY698P Dali



BY698P LED160



BY698P LED110

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Product details

BY698P LED300



Application Conditions

Suitable for random switching	No
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Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

Operating and Electrical

Input Voltage	220 to 240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	PC
Driver included	Yes
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No

Initial Performance (IEC Compliant)

Initial chromaticity	(0.313.0.324)SDC M<5
Init. Corr. Colour Temperature	6500 K
Init. Colour rendering index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	Dark Grey
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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	Maximum dimming level
911401844799	BY698P LED200/CW PSU NB L3000 EN	-30 to +45 °C	-
911401844999	BY698P LED200/CW PSU WB L3000 EN	-30 to +45 °C	-
911401845199	BY698P LED200/CW PSD NB L3000 EN	-30 to +50 °C	10%
911401845399	BY698P LED200/CW PSD WB L3000 EN	-30 to +50 °C	10%
911401845599	BY698P LED160/CW PSU NB L3000 EN	-30 to +50 °C	-
911401845799	BY698P LED160/CW PSU WB L3000 EN	-30 to +50 °C	-
911401845999	BY698P LED160/CW PSD NB L3000 EN	-30 to +50 °C	10%
911401846199	BY698P LED160/CW PSD WB L3000 EN	-30 to +50 °C	10%
911401846399	BY698P LED110/CW PSU NB L3000 EN	-30 to +50 °C	-
911401846599	BY698P LED110/CW PSU WB L3000 EN	-30 to +50 °C	-
911401846799	BY698P LED110/CW PSD NB L3000 EN	-30 to +50 °C	10%
911401846999	BY698P LED110/CW PSD WB L3000 EN	-30 to +50 °C	10%
911401864899	BY698P LED300/CW PSU NB L3000 EN	-30 to +50 °C	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401844799	BY698P LED200/CW PSU NB L3000 EN	No
911401844999	BY698P LED200/CW PSU WB L3000 EN	No
911401845199	BY698P LED200/CW PSD NB L3000 EN	Yes

Order Code	Full Product Name	Dimmable
911401845399	BY698P LED200/CW PSD WB L3000 EN	Yes
911401845599	BY698P LED160/CW PSU NB L3000 EN	No
911401845799	BY698P LED160/CW PSU WB L3000 EN	No

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Order Code	Full Product Name	Dimmable
911401845999	BY698P LED160/CW PSD NB L3000 EN	Yes
911401846199	BY698P LED160/CW PSD WB L3000 EN	Yes
911401846399	BY698P LED110/CW PSU NB L3000 EN	No
911401846599	BY698P LED110/CW PSU WB L3000 EN	No

Order Code	Full Product Name	Dimmable
911401846799	BY698P LED110/CW PSD NB L3000 EN	Yes
911401846999	BY698P LED110/CW PSD WB L3000 EN	Yes
911401864899	BY698P LED300/CW PSU NB L3000 EN	No

General Information

Order Code	Full Product Name	Number of gear units	Optic type
911401844799	BY698P LED200/CW PSU NB L3000 EN	1 unit	NB
911401844999	BY698P LED200/CW PSU WB L3000 EN	1 unit	WB
911401845199	BY698P LED200/CW PSD NB L3000 EN	1 unit	NB
911401845399	BY698P LED200/CW PSD WB L3000 EN	1 unit	WB
911401845599	BY698P LED160/CW PSU NB L3000 EN	1 unit	NB
911401845799	BY698P LED160/CW PSU WB L3000 EN	1 unit	WB

Order Code	Full Product Name	Number of gear units	Optic type
911401845999	BY698P LED160/CW PSD NB L3000 EN	1 unit	NB
911401846199	BY698P LED160/CW PSD WB L3000 EN	1 unit	WB
911401846399	BY698P LED110/CW PSU NB L3000 EN	1 unit	NB
911401846599	BY698P LED110/CW PSU WB L3000 EN	1 unit	WB
911401846799	BY698P LED110/CW PSD NB L3000 EN	1 unit	NB
911401846999	BY698P LED110/CW PSD WB L3000 EN	1 unit	WB
911401864899	BY698P LED300/CW PSU NB L3000 EN	2 units	NB

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401844799	BY698P LED200/CW PSU NB L3000 EN	129 lm/W	20000 lm	155 W
911401844999	BY698P LED200/CW PSU WB L3000 EN	129 lm/W	20000 lm	155 W
911401845199	BY698P LED200/CW PSD NB L3000 EN	129 lm/W	20000 lm	155 W
911401845399	BY698P LED200/CW PSD WB L3000 EN	129 lm/W	20000 lm	155 W
911401845599	BY698P LED160/CW PSU NB L3000 EN	133 lm/W	16000 lm	120 W
911401845799	BY698P LED160/CW PSU WB L3000 EN	133 lm/W	16000 lm	120 W
911401845999	BY698P LED160/CW PSD NB L3000 EN	133 lm/W	16000 lm	120 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401846199	BY698P LED160/CW PSD WB L3000 EN	133 lm/W	16000 lm	120 W
911401846399	BY698P LED110/CW PSU NB L3000 EN	129 lm/W	11000 lm	85 W
911401846599	BY698P LED110/CW PSU WB L3000 EN	129 lm/W	11000 lm	85 W
911401846799	BY698P LED110/CW PSD NB L3000 EN	118 lm/W	10000 lm	85 W
911401846999	BY698P LED110/CW PSD WB L3000 EN	118 lm/W	10000 lm	85 W
911401864899	BY698P LED300/CW PSU NB L3000 EN	129 lm/W	29000 lm	225 W

