



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.

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

Material	Housing: aluminum 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



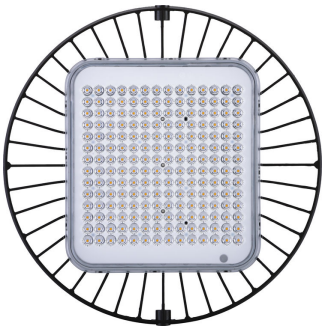
GreenPerform Highbay G3
BY698P Fixed Back



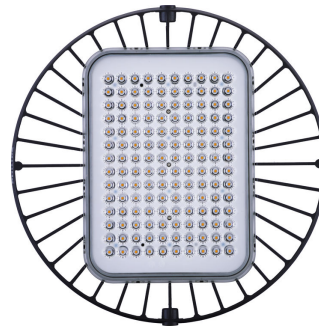
GreenPerform Highbay G3
BY698P Fixed Side



GreenPerform Highbay G3
BY698P with Bracket



GreenPerform Highbay G3
BY698P LED160 Front



GreenPerform Highbay G3
BY698P LED110 Front

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Driver failure rate at 5,000 hours	0.01 %
Application Conditions	
Ambient temperature range	-30 to +50 °C
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 (I)
Optical cover/lens type	PC
Driver included	Yes
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit
Optic type	WB
Initial Performance (IEC Compliant)	
Init. Colour rendering index	>80
Luminous flux tolerance	+/-10%
Mechanical and Housing	
Colour	Dark gray
Over Time Performance (IEC Compliant)	
Median useful life L80B50	40000 h
Median useful life L90B50	30000 h

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
16984900	BY698P LED160 NW PSU WB	(0.38.0.38)SDCM<5	4000 K	133 lm/W	16000 lm
01515031	BY698P LED110 CW PSU WB	(0.313.0.324)SDCM<5	6500 K	129 lm/W	11000 lm
16983200	BY698P LED110 NW PSU WB	(0.38.0.38)SDCM<5	4000 K	129 lm/W	11000 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
16984900	BY698P LED160 NW PSU WB	120 W
01515031	BY698P LED110 CW PSU WB	85 W

Order Code	Full Product Name	Initial input power
16983200	BY698P LED110 NW PSU WB	85 W

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