

GentleSpace GreenWarehouse

BY470X GRN130S/840 WB PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 13000 lm, 840 neutral white, Wide beam, Polycarbonate bowl/ cover, ActiLume wireless, Silver

This dedicated system makes it easy for warehouse developers and facility managers to achieve maximum energy savings. It seamlessly integrates state-of-the-art LED lighting with an easy-to-use and reliable networked control solution. 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. Easy to understand, easy to design-in, and easy to use, the GreenWarehouse is simplicity itself.

Product data

General Information	
Lamp family code	GRN130S [LED GreenLine system flux 13000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Product family code	BY470X [GentleSpace GreenWarehouse]
Lighting Technology	LED
Embedded control	ActiLume wireless
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark

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Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	13,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	148 lm/W
Color rendering index (CRI)	≥80
Number of light sources	8
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	25

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	88 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cable 0.5 m with cable connector 3-pole
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	-20 to +45 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Silver
Optical cover finish	Clear
Overall length	502 mm
Overall width	350 mm
Overall height	211 mm
Dimensions (Height x Width x Depth)	211 x 350 x 502 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	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L70

Application Conditions

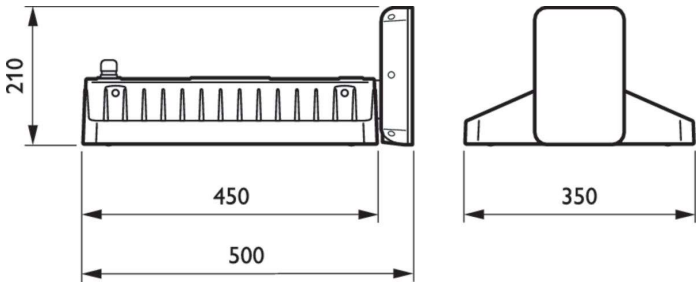
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

Product Data

Order product name	BY470X GRN130S/840 WB PC ACW SI
Full product name	BY470X GRN130S/840 WB PC ACW SI
Full product code	871869632146100
Order code	32146100
Material Nr. (12NC)	910930205905
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696321461
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321461

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Dimensional drawing



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