



# GentleSpace Green Warehouse system

BY470X GRN130S/840 HRO PC ACW WH

GentleSpace GreenWarehouse - LED GreenLine system flux 13000 lm - 840 neutral white - High-rack optic - Polycarbonate bowl/cover - ActiLume wireless - White

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			
Number of light sources	8 [ 8 pcs]	Optical cover/lens type	PC [ Polycarbonate bowl/cover]
Lamp family code	GRN130S [ LED GreenLine system flux 13000 lm]	Luminaire light beam spread	16° x 47°
Beam angle of light source	114 °	Embedded control	ACW [ ActiLume wireless]
Light source colour	840 neutral white	Control interface	-
Light source replaceable	Yes	Connection	External connector
Number of gear units	1 unit	Cable	Cord 0.5 m with cable connector 3-pole
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	Protection class IEC	Safety class I
Driver included	Yes	Mounting	SMT [ Suspension set twin, triangle]
Optic type	HRO [ High-rack optic]	Glow-wire test	Temperature 650 °C, duration 5 s
		Flammability mark	D [ For mounting on easily flammable surfaces]

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CE mark	CE mark
ENEC mark	ENEC mark
Design award-winner marking	Design Award Winner 2014
Warranty period	5 years
Constant light output	No
Number of products on MCB	12
RoHS mark	RoHS mark
Product Family Code	BY470X [ GentleSpace GreenWarehouse]

### Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	4.8 A
Inrush time	2.3 ms
Power factor (min.)	0.9

### Controls and Dimming

Dimmable	Yes
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### Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Optical cover/lens finish	Clear
Overall length	502 mm
Overall width	350 mm
Overall height	211 mm

### Approval and Application

Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [ 2 J reinforced]

### Initial Performance (IEC Compliant)

Initial luminous flux	13000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	148 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	88 W
Power consumption tolerance	+/-11%

### Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

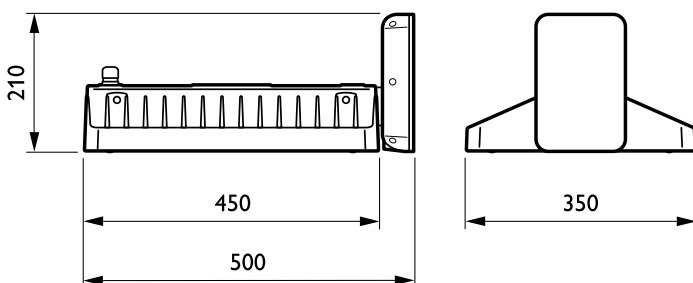
### Application Conditions

Ambient temperature range	-20 to +45 °C
Average ambient temperature	25 °C
Maximum dimming level	10%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

### Product Data

Full product code	871869632171300
Order product name	BY470X GRN130S/840 HRO PC ACW WH
EAN/UPC – product	8718696321713
Order code	32171300
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910930205930
Net weight (piece)	9.800 kg

## Dimensional drawing



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