GentleSpace Green Warehouse system

BY471X GRN170S/840 MB GC ACW SI

GentleSpace GreenWarehouse - LED GreenLine system flux 17000 lm - 840 neutral white - Medium beam - Clear glass - 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

Number of light sources	12 [12 pcs]
Lamp family code	GRN170S [LED GreenLine system flux 17000 lm]
Beam angle of light source	114 °
Light source colour	840 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	MB [Medium beam]

Optical cover/lens type	GC [Clear glass]
Luminaire light beam spread	40° x 40°
Embedded control	ACW [ActiLume wireless]
Control interface	-
Connection	External connector
Cable	Cord 0.5 m with cable connector 3-pole
Protection class IEC	Safety class I
Mounting	SMT [Suspension set twin, triangle]
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	BY471X [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

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Stainless steel
Optical cover/lens finish	Clear
Overall length	647 mm
Overall width	450 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	17000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	153 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	111 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

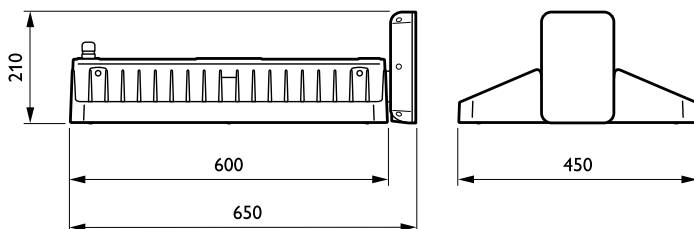|	
Driver failure rate at 5,000 hours	0.5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

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	871869632137900
Order product name	BY471X GRN170S/840 MB GC ACW SI
EAN/UPC – product	8718696321379
Order code	32137900
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910930205895
Net weight (piece)	15.700 kg

Dimensional drawing

GentleSpace Warehouse system BY470X/BY471X

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www.lighting.philips.com