



GentleSpace Green Warehouse system

BY471X GRN170S/840 WB PC ACW SI

GentleSpace GreenWarehouse - LED GreenLine system flux 17000 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	
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	WB [Wide beam]
Optical cover/lens type	PC [Polycarbonate bowl/cover]
Luminaire light beam spread	44° x 42°
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

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Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
Design award-winner marking	Design Award Winner 2014
Warranty period	5 years
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.
Constant light output	No
Number of products on MCB	12
RoHS mark	RoHS mark
Product Family Code	BY471X [GentleSpace GreenWarehouse]
Unified glare rating CEN	25

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	647 mm
Overall width	450 mm
Overall height	211 mm
Colour	Silver
Dimensions (height x width x depth)	211 x 450 x 647 mm (8.3 x 17.7 x 25.5 in)

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)

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

Ambient temperature range	-20 to +45 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	10%
Suitable for random switching	Yes

Product Data

Full product code	871869632150800
Order product name	BY471X GRN1705/840 WB PC ACW SI
EAN/UPC – product	8718696321508
Order code	32150800
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910930205909
Net weight (piece)	15.700 kg



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Dimensional drawing



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