



GentleSpace Green Warehouse system

BY471X GRN250S/840 HRO GC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 25000 lm, 840 neutral white, High-rack optic, 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		
Lamp family code	GRN250S [LED GreenLine system flux 25000 lm]	maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	Yes	
Number of gear units	2 units	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen	
Product family code	BY471X [GentleSpace GreenWarehouse]	
Lighting Technology	LED	
Embedded control	ActiLume wireless	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on easily flammable surfaces	

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

Light Technical

Luminous Flux	25,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	152 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	High-rack optic
Optical cover type	Clear glass
Luminaire light beam spread	16° x 47°
Unified Glare Rating (CEN)	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	165 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	6

Temperature

Ambient temperature range	-20 to +45 °C
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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	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Stainless steel
Housing Colour	Silver

Optical cover/lens finish	Clear
Overall length	647 mm
Overall width	450 mm
Overall height	211 mm
Dimensions (height x width x depth)	211 x 450 x 647 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 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L70

Application Conditions

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

Product Data

Order product name	BY471X GRN250S/840 HRO GC ACW SI
Full product name	BY471X GRN250S/840 HRO GC ACW SI
Full EOC	871869632143000
Order code	32143000
Material no. (12 NC)	910930205902
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696321430
Numerator – packs per outer box	1
EAN/UPC – Case	8718696321430

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Dimensional drawing

