GentleSpace GreenWarehouse

BY470X GRN130S/840 NB GC ACW WH

GentleSpace GreenWarehouse, LED GreenLine system flux 13000 lm, 840 neutral white, Narrow beam, Clear glass, 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

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
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years

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EU RoHS compliant	Yes		**Optical cover finish**	Clear
Embedded control	ActiLume wireless		**Overall length**	502 mm
			Overall width	350 mm
Light Technical			**Overall height**	211 mm
Luminous Flux	13,000 lm		**Dimensions (Height x Width x Depth)**	211 x 350 x 502 mm
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	148 lm/W		**Approval and Application**	
Color rendering index (CRI)	≥80		**Ingress protection code**	IP65 [Dust penetration-protected, jet-proof]
Number of light sources	8		**Mech. impact protection code**	IK07 [2 J reinforced]
Beam angle of light source	114 degree(s)		**Protection class IEC**	Safety class I
Light source color	840 neutral white			
Optic type	Narrow beam		**Initial Performance (IEC Compliant)**	
Optical cover type	Clear glass		**Luminous flux tolerance**	+/-7%
Luminaire light beam spread	30° x 25°		**Initial chromaticity**	(0.38, 0.38) SDCM <3
Unified glare rating CEN	19		**Power consumption tolerance**	+/-11%
Operating and Electrical			**Over Time Performance (IEC Compliant)**	
Input Voltage	220 to 240 V		**Control gear failure rate at median useful life 50000 h**	5 %
Line Frequency	50 to 60 Hz			
Inrush current	4.8 A		**Control gear failure rate at median useful life 100000 h**	10 %
Inrush time	2.3 ms			
Power Consumption	88 W		**Lumen maintenance at median useful life* 50000 h**	L85
Power Factor (Fraction)	0.9			
Connection	External connector		**Lumen maintenance at median useful life* 100000 h**	L70
Cable	Cable 0.5 m with cable connector 3-pole			
Number of products on MCB of 16 A type B	12		**Application Conditions**	
			Performance ambient temperature Tq	25 ℃
Temperature			**Maximum dim level**	10%
Ambient temperature range	–20 to +45 ℃		**Suitable for random switching**	Yes
Controls and Dimming			**Product Data**	
Dimmable	Yes		**Order product name**	BY470X GRN130S/840 NB GC ACW WH
Driver/power unit/transformer	Power supply unit with DALI interface		**Full product name**	BY470X GRN130S/840 NB GC ACW WH
Control interface	–		**Full product code**	871869632156000
Constant light output	No		**Order code**	910930205915
			Material Nr. (12NC)	910930205915
Mechanical and Housing			**Numerator – Quantity Per Pack**	1
Housing Material	Aluminum		**EAN/UPC – Product/Case**	8718696321560
Reflector material	–		**Numerator – Packs per outer box**	1
Optic material	Acrylate		**EAN/UPC – Case**	8718696321560
Optical cover material	Glass			
Fixation material	Stainless steel			
Housing Color	White			

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Dimensional drawing

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