GentleSpace GreenWarehouse

BY471X GRN250S/840 WB PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 25000 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

Lamp family code	GRN250S [LED GreenLine system flux 25000 lm]
Light source replaceable	Yes
Number of gear units	2 units
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	BY471X [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**	647 mm
			Overall width	450 mm
Light Technical			**Overall height**	211 mm
Luminous Flux	25,000 lm		**Dimensions (Height x Width x Depth)**	211 x 450 x 647 mm
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	152 lm/W		**Approval and Application**	
Color rendering index (CRI)	≥80		**Ingress protection code**	IP65 [Dust penetration–protected, jet–proof]
Number of light sources	16		**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	Wide beam		**Initial Performance (IEC Compliant)**	
Optical cover type	Polycarbonate bowl/cover		**Luminous flux tolerance**	+/-7%
Luminaire light beam spread	44° x 42°		**Initial chromaticity**	(0.38, 0.38) SDCM <3
Unified glare rating CEN	25		**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	9.6 A		**Control gear failure rate at median useful life 100000 h**	10 %
Inrush time	2.3 ms			
Power Consumption	165 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	6		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			**Maximum dim level**	10%
Ambient temperature range	–20 to +45 °C		**Suitable for random switching**	Yes

Controls and Dimming			**Product Data**	
Dimmable	Yes		**Order product name**	BY471X GRN250S/840 WB PC ACW SI
Driver/power unit/transformer	Power supply unit with DALI interface		**Full product name**	BY471X GRN250S/840 WB PC ACW SI
Control interface	–		**Full product code**	871869632154600
Constant light output	No		**Order code**	910930205913
			Material Nr. (12NC)	910930205913
Mechanical and Housing			**Numerator – Quantity Per Pack**	1
Housing Material	Aluminum		**EAN/UPC – Product/Case**	8718696321546
Reflector material	–		**Numerator – Packs per outer box**	1
Optic material	Acrylate		**EAN/UPC – Case**	8718696321546
Optical cover material	Polycarbonate			
Fixation material	Stainless steel			
Housing Color	Silver			

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change