



GentleSpace Green Warehouse system

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	*- According to the Lighting Europe guidance	
	paper 'Evaluating performance of LED based	
	luminaires — January 2018': statistically there	
	is no relevant difference in lumen	

	maintenance between the B50 and, for		
	example, the B10. Therefore, the median		
	useful life (B50) value also represents the		
	B10 value.		
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		

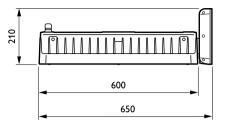
Datasheet, 2023, April 29 data subject to change

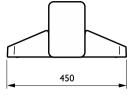
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ENEC mark	ENEC mark	Optical cover/lens finish	Clear
Glow-wire test	Temperature 650 °C, duration 5 s	Overall length	647 mm
EU RoHS compliant	Yes	Overall width	450 mm
		Overall height	211 mm
Light Technical		Dimensions (height x width x depth)	211 x 450 x 647 mm
Luminous Flux	25,000 lm		
Correlated Colour Temperature	4000 K	Approval and Application	
Luminous efficacy (rated) (nom.)	152 lm/W	Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Colour rendering index (CRI)	≥80	Mech. impact protection code	IK07 [2 J reinforced]
Beam angle of light source	114 degree(s)	Protection class IEC	Safety class I
Light source colour	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	5 %
Line Frequency	50 to 60 Hz	life 50,000 h	
Inrush current	9.6 A	Control gear failure rate at median useful	10 %
Inrush time	2.3 ms	life 100,000 h	
Power Consumption	165 W	Lumen maintenance at median useful	L85
Power Factor (Fraction)	0.9	life* 50,000 h	
Connection	External connector	Lumen maintenance at median useful	L70
Cable	Cable 0.5 m with cable connector 3-pole	life* 100,000 h	
Number of products on MCB of 16 A t	ype 6		
В		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	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 EOC	871869632154600
Constant light output	No	Order code	32154600
		Material no. (12 NC)	910930205913
Mechanical and Housing		SAP numerator – quantity per pack	1
Housing material	Aluminium	EAN/UPC — Product/Case	8718696321546
Reflector material	-	Numerator – packs per outer box	1
Optic material	Acrylate	EAN/UPC - Case	8718696321546
Optical cover/lens material	Polycarbonate		
Fixation material	Stainless steel		
Housing Colour	Silver		

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Dimensional drawing







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