



GentleSpace Green Warehouse system

BY471X GRN250S/840 NB PC ACW WH

GentleSpace GreenWarehouse, LED GreenLine system flux 25000 lm, 840 neutral white, Narrow beam, Polycarbonate bowl/cover, 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	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	
B10 value.	
BY471X [GentleSpace GreenWarehouse]	
LED	
ActiLume wireless	
Yes	
5 years	
For mounting on easily flammable surfaces	

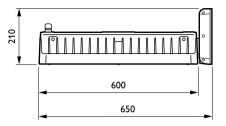
Datasheet, 2023, April 29 data subject to change

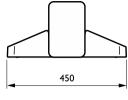
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ENEC mark	ENEC mark	Optical cover/lens finish	Clear
Glow-wire test	Temperature 650 °C, duration 5 s	Overall length	647 mm
EU RoHS compliant	Yes	Overall width	450 mm
		Overall height	211 mm
Light Technical		Dimensions (height x width x depth)	211 x 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-prod
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	Narrow beam	Initial Performance (IEC Compliant)	
Optical cover type	Polycarbonate bowl/cover	Luminous flux tolerance	+/-7%
Luminaire light beam spread	25° x 30°	Initial chromaticity	(0.38, 0.38) SDCM <3
Unified Glare Rating (CEN)	19	Power consumption tolerance	+/-11%
Operating and Electrical		Over Time Performance (IEC Compli	ant)
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 ty	pe 6		
В		Application Conditions	
		Performance ambient temperature Tq	25 ℃
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 NB PC ACW WH
Driver/power unit/transformer	Power supply unit with DALI interface	Full product name	BY471X GRN250S/840 NB PC ACW WH
Control interface	-	Full EOC	871869632176800
Constant light output	No	Order code	32176800
		Material no. (12 NC)	910930205935
Mechanical and Housing		SAP numerator – quantity per pack	1
Housing material	Aluminium	EAN/UPC — Product/Case	8718696321768
Reflector material	-	Numerator – packs per outer box	1
Optic material	Acrylate	EAN/UPC - Case	8718696321768
Optical cover/lens material	Polycarbonate	· · ·	
Fixation material	Stainless steel		
Housing Colour	White		

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Dimensional drawing







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