



# GentleSpace Green Warehouse system

## BY471X GRN170S/840 HRO PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 17000 lm, 840 neutral white, High-rack optic, 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	GRN170S [LED GreenLine system flux 17000
	lm]
Light source replaceable	Yes
Number of gear units	Unit
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	

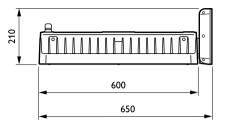
Datasheet, 2023, April 29 data subject to change

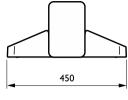
# **GentleSpace Green Warehouse system**

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	17,000 lm		
Correlated Colour Temperature	4000 K	Approval and Application	
Luminous efficacy (rated) (nom.)	153 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	High-rack optic	Initial Performance (IEC Compliant)	
Optical cover type	Polycarbonate bowl/cover	Luminous flux tolerance	+/-7%
Luminaire light beam spread	16° x 47°	Initial chromaticity	(0.38, 0.38) SDCM <3
Unified Glare Rating (CEN)	Not applicable	Power consumption tolerance	+/-11%
Operating and Electrical		Over Time Performance (IEC Compl	iant)
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	4.8 A	Control gear failure rate at median useful	10 %
Inrush time	2.3 ms	life 100,000 h	
Power Consumption	111 W	Lumen maintenance at median useful life	* L85
Power Factor (Fraction)	0.9	50,000 h	
Connection	External connector	Lumen maintenance at median useful life	* L70
Cable	Cable 0.5 m with cable connector 3-pole	100,000 h	
Number of products on MCB of 16 A type	12		
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 GRN170S/840 HRO PC ACW SI
Driver/power unit/transformer	Power supply unit with DALI interface	Full product name	BY471X GRN170S/840 HRO PC ACW SI
Control interface	-	Full EOC	871869632151500
Constant light output	No	Order code	32151500
		Material no. (12 NC)	910930205910
Mechanical and Housing		SAP numerator – quantity per pack	1
Housing material	Aluminium	EAN/UPC — Product/Case	8718696321515
Reflector material	-	Numerator – packs per outer box	1
Optic material	Acrylate	EAN/UPC - Case	8718696321515
Optical cover/lens material	Polycarbonate		
Fixation material	Stainless steel		
Housing Colour	Silver		

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### Dimensional drawing







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