PHILIPS Lighting



GentleSpace Green Warehouse system

BY471X GRN170S/840 NB PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 17000 lm, 840 neutral white, Narrow 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-ofthe-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

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ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	17,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	153 lm/W

Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	26° x 31°
Unified Glare Rating (CEN)	19

Optical cover/lens finish Clear Overall length 647 mm Overall width 450 mm Overall height 211 mm Dimensions (height x width x depth) 211 x 450 x 647 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-7%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-11%	

Over Time Performance (IEC Compliant) Control gear failure rate at median useful 5 %

Control gear failure rate at median useful 10 %

Lumen maintenance at median useful life* L85

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	111 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cable 0.5 m with cable connector 3-pole
Number of products on MCB of 16 A type	12

Temperature

Ambient temperature range

Controls and Dimming	Contro	ls and	Dimming
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Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium

-20 to +45 °C

Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Silver

50,000 h Lumen maintenance at median useful life* L70 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes

Product Data

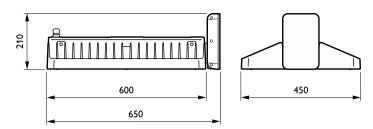
life 50,000 h

life 100,000 h

1 Todact Data	
Order product name	BY471X GRN170S/840 NB PC ACW SI
Full product name	BY471X GRN170S/840 NB PC ACW SI
Full EOC	871869632148500
Order code	32148500
Material no. (12 NC)	910930205907
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696321485
Numerator – packs per outer box	1
EAN/UPC - Case	8718696321485

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Dimensional drawing





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