PHILIPS Lighting



GentleSpace GreenWarehouse

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-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	1 unit
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

GentleSpace GreenWarehouse

EU RoHS compliant	Yes
Embedded control	ActiLume wireless
Light Technical	
Luminous Flux	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	153 lm/W
Color rendering index (CRI)	≥80
Number of light sources	12
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	High-rack optic
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	16° x 47°
Unified glare rating CEN	Not applicable

Optical cover finishClearOverall length647 mmOverall width450 mmOverall height211 mmDimensions (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

в

Temperature

Ambient temperature range

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	-
Constant light output	No

-20 to +45 °C

Mechanical and Housing Housing Material

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Silver

50000 h Lumen maintenance at median useful life* L70 100000 h Interference Application Conditions Interference Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes

Product Data

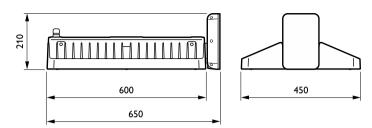
life 50000 h

life 100000 h

1 Todact Bata	
Order product name	BY471X GRN170S/840 HRO PC ACW SI
Full product name	BY471X GRN170S/840 HRO PC ACW SI
Full product code	871869632151500
Order code	910930205910
Material Nr. (12NC)	910930205910
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696321515
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321515

GentleSpace GreenWarehouse

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change