# **PHILIPS** Lighting



# GentleSpace GreenWarehouse

# BY471X GRN250S/840 MB PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 25000 lm, 840 neutral white, Medium 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**

GRN250S [LED GreenLine system flux
25000 lm]
Yes
2 units
Yes
*-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
Embedded control	ActiLume wireless
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark

## GentleSpace GreenWarehouse

Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W
Color rendering index (CRI)	≥80
Number of light sources	16
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Medium beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	40° × 40°
Unified glare rating CEN	25

Optical cover 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 %

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	165 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	6

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

Lumen maintenance at median useful life	* L85
50000 h	
Lumen maintenance at median useful life	* L70
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

#### Product Data

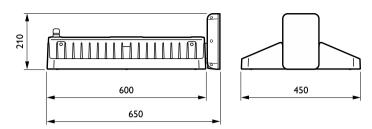
life 50000 h

life 100000 h

Troduct Bata	
Order product name	BY471X GRN250S/840 MB PC ACW SI
Full product name	BY471X GRN250S/840 MB PC ACW SI
Full product code	871869632153900
Order code	32153900
Material Nr. (12NC)	910930205912
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696321539
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321539

### GentleSpace GreenWarehouse

#### Dimensional drawing





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