PHILIPS Lighting



GentleSpace GreenWarehouse

BY471X GRN170S/840 NB GC ACW WH

GentleSpace GreenWarehouse, LED GreenLine system flux 17000 lm, 840 neutral white, Narrow beam, Clear glass, ActiLume wireless, White

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
Embedded control	ActiLume wireless
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark

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Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
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	Narrow beam
Optical cover type	Clear glass
Luminaire light beam spread	26° x 31°
Unified glare rating CEN	19

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%

Operating and Electrical		Over Time Performance (IEC Compliant)
Input Voltage	220 to 240 V	Control gear failure rate at median useful 5 %
Line Frequency	50 to 60 Hz	life 50000 h
Inrush current	4.8 A	Control gear failure rate at median useful 10 %
Inrush time	2.3 ms	life 100000 h
Power Consumption	111 W	Lumen maintenance at median useful life* L85
Power Factor (Fraction)	0.9	50000 h
Connection	External connector	Lumen maintenance at median useful life* L70
Cable	Cable 0.5 m with cable connector 3-pole	100000 h
Number of products on MCB of 16 A type	12	

-20 to +45 °C

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
Mechanical and Housing	
Housing Material	Aluminum

Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	White

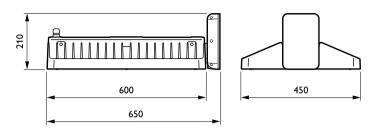
Lumen maintenance at median useful life* L85 50000 h Lumen maintenance at median useful life* L70 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes

Product Data

1 Todact Bata	
Order product name	BY471X GRN170S/840 NB GC ACW WH
Full product name	BY471X GRN170S/840 NB GC ACW WH
Full product code	871869632160700
Order code	32160700
Material Nr. (12NC)	910930205919
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696321607
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696321607

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Dimensional drawing





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