



GentleSpace Green Warehouse system

BY471X GRN170S/840 MB PC ACW SI

GentleSpace GreenWarehouse, LED GreenLine system flux 17000 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-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

naintenance between the B50 and, for
xample, the B10. Therefore, the median
seful life (B50) value also represents the
10 value.
Y471X [GentleSpace GreenWarehouse]
ED
ctiLume wireless
es
years
or mounting on easily flammable surfaces

Datasheet, 2023, April 29 data subject to change

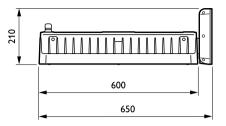
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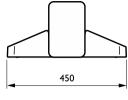
ENEC mark	ENEC mark	Optical cover/lens finish
Glow-wire test	Temperature 650 °C, duration 5 s	Overall length
EU RoHS compliant	Yes	Overall width
		Overall height
Light Technical		Dimensions (height x width)
Luminous Flux	17,000 lm	
Correlated Colour Temperature	4000 K	Approval and Applicatio
Luminous efficacy (rated) (nom.)	153 lm/W	Ingress protection code
Colour rendering index (CRI)	≥80	Mech. impact protection cod
Beam angle of light source	114 degree(s)	Protection class IEC
Light source colour	840 neutral white	
Optic type	Medium beam	Initial Performance (IEC
Optical cover type	Polycarbonate bowl/cover	Luminous flux tolerance
Luminaire light beam spread	40° x 40°	Initial chromaticity
Unified Glare Rating (CEN)	25	Power consumption tolerand
Operating and Electrical		Over Time Performance
Input Voltage	220 to 240 V	Control gear failure rate at n
Line Frequency	50 to 60 Hz	life 50,000 h
Inrush current	4.8 A	Control gear failure rate at n
Inrush time	2.3 ms	life 100,000 h
Power Consumption	111 W	Lumen maintenance at medi
Power Factor (Fraction)	0.9	life* 50,000 h
Connection	External connector	Lumen maintenance at medi
Cable	Cable 0.5 m with cable connector 3-pole	life* 100,000 h
Number of products on MCB of 16 A type	12	
В		Application Conditions
		Performance ambient tempe
Temperature		Maximum dim level
Ambient temperature range	-20 to +45 ℃	Suitable for random switchir
Controls and Dimming		Product Data
Dimmable	Yes	Order product name
	Power supply unit with DALI interface	Full product name
Driver/power unit/transformer Control interface	- Swer supply unit with DALI Interface	Full EOC
	No	Order code
Constant light output		Material no. (12 NC)
Mechanical and Housing		SAP numerator – quantity p
	Aluminium	EAN/UPC — Product/Case
Housing material	Aluminium	Numerator – packs per oute
Dofloctor material	=	-
	Assulate	
Optic material	Acrylate	EAN/UPC - Case
Reflector material Optic material Optical cover/lens material Fixation material	Acrylate Polycarbonate Stainless steel	EAN/UPC - Case

Optical cover/lens finish Overall length Overall length 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 Mech. impact protection code Mech. impact protection code Mech. impact protection code IRO7 [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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life 50,000 h Lumen maintenance at median useful life 100,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Yes Product Data Order product name BY471X GRN1705/840 MB PC ACW SI Full EOC 871869632149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack IEAN/UPC – Product/Case Numerator – packs per outer box 1 EAN/UPC – Product/Case 8718696321492		
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 IKO7 [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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful L85 Life* 50,000 h Lumen maintenance at median useful L70 Life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY47IX GRN1705/840 MB PC ACW SI Full Product name BY47IX GRN1705/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Optical cover/lens finish	Clear
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 IKO7 [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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful L70 Life's 50,000 h Lumen maintenance at median useful L70 Life's 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN1705/840 MB PC ACW SI Full Product name BY471X GRN1705/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Overall length	647 mm
Approval and Application Ingress protection code	Overall width	450 mm
Approval and Application Ingress protection code Mech. impact protection code Mech. impact protection code IKO7 [2 J reinforced] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance	Overall height	211 mm
Ingress protection code Mech. impact protection code 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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful L70 Life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Dimensions (height x width x depth)	211 x 450 x 647 mm
Mech. impact protection code 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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY47IX GRN170S/840 MB PC ACW SI Full product name BY47IX GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Approval and Application	
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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Ingress protection code	IP65 [Dust penetration-protected, jet-proof
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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 life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Protection class IEC	Safety class I
Initial chromaticity (0.38, 0.38) SDCM <3 Power consumption tolerance +/-11% Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Initial Performance (IEC Compliant)	
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Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY47IX GRN170S/840 MB PC ACW SI Full product name BY47IX GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Initial chromaticity	(0.38, 0.38) SDCM <3
Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Power consumption tolerance	+/-11%
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life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level life* 10% Suitable for random switching Yes Product Data Order product name BY47IX GRN170S/840 MB PC ACW SI Full product name BY47IX GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1		
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Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1		10 %
Life* 50,000 h Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	life 100,000 h	
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Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	life* 50,000 h	
Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Lumen maintenance at median useful	L70
Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Product name Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	life* 100,000 h	
Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Product Data Product name Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1		
Maximum dim level 10% Suitable for random switching Yes Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Application Conditions	
Product Data Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Performance ambient temperature Tq	25 ℃
Product Data Order product name BY471X GRN170S/840 MB PC ACW SI Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Maximum dim level	10%
Order product name BY47IX GRN170S/840 MB PC ACW SI Full product name BY47IX GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Suitable for random switching	Yes
Full product name BY471X GRN170S/840 MB PC ACW SI Full EOC 871869632149200 Order code 32149200 Material no. (12 NC) 910930205908 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Product Data	
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EAN/UPC — Product/Case 8718696321492 Numerator – packs per outer box 1	Material no. (12 NC)	910930205908
Numerator – packs per outer box 1	SAP numerator – quantity per pack	1
	EAN/UPC — Product/Case	8718696321492
	Numerator – packs per outer box	1
	EAN/UPC - Case	8718696321492

GentleSpace Green Warehouse system

Dimensional drawing







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