



GentleSpace Green Warehouse system

BY471X GRN170S/840 HRO PC ACW WH

GentleSpace GreenWarehouse, LED GreenLine system flux 17000 lm, 840 neutral white, High-rack optic, Polycarbonate bowl/cover, ActiLume wireless, White

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

	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	

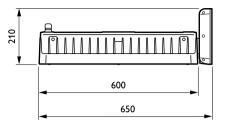
Datasheet, 2023, April 29 data subject to change

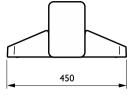
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Colour rendering index (CRI) 280 Mech. impact protection code IKO7 [2 J reinforced]				
EU RoHS compliant Ves Overall width 450 mm Overall height 271 mm Dimensions (height x width x depth) 211 x 450 x 647 mm Dimensions (height x width x depth) 211 x 450 x 647 mm Dimensions (height x width x depth) 211 x 450 x 647 mm Dimensions (height x width x depth) 211 x 450 x 647 mm Approval and Application Ingress protection code IRO7 [2 1 reinforced] Ingress protection code IRO7 [2 1 reinforced] Beam angle of light source 114 degree(s) Beam angle of light source obour 840 neutral white Optic type Ingress protection code IRO7 [2 1 reinforced] Optic Quert option 14 light source 14 reinforced bowl/cover Luminaure light beam spread IrS x 47 Unified Glare Rating (CEN) Not applicable Operating and Electrical Input Voltage 200 to 240 V Line Frequency 50 to 60 Hz Inrush current 48 A Inrush current 48 A Inrush time 2.3 ms Ilfe 100,000 h Unmer specific reinforced at median useful Ire* LBS Dower Consumption IIIW Power Factor (Fraction) 0.9 Connection External connector Cable Cable Cable O 5 m with cable connector 3-pole Number of products on MCB of 16 A type 12 B Application Conditions Temperature Ambient temperature range 20 to 4.45 °C Control gar failure rate at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LPO 100,000 h Connection External connector Cable Cable O 5 m with cable connector 3-pole Number of products on MCB of 16 A type 12 B Performance of ECC Compliant) Control ineffer at the median useful life* LPO 100,000 h Connection External connector Control ineffer at the median useful life* LPO 100,000 h Connection External connector Control ineffer at the median useful life* LPO 100,000 h Connection External connector Performance at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LPO 100,000 h Lumen maintenance at median useful life* LP	ENEC mark	ENEC mark	Optical cover/lens finish	Clear
Direct Control Sear Factor (Fraction) 11 W Direct Control Sear Factor (Fraction) 0.9	Glow-wire test	Temperature 650 °C, duration 5 s	Overall length	647 mm
Light Technical Luminous Flux 17,000 Im Correlated Colour Temperature 4000 K Approval and Application Ingress protection code IPSS [Dust penetration-protected Mech. impact protection code IPSS [Dust penetration-protected Mech. impact protection code IRSO 7 [2 J reinforced] Protection class IEC Safety class 1 Light source colour 840 neutral white Optic type High-rack optic Optical cover type Polycalbonate bowl/cover Luminous flux tolerance 16" x 47" Initial Performance (IEC Compliant) Luminous flux tolerance 1/-7% Initial chromaticity (0.38, 0.38) SDCM <3 Power consumption tolerance 1/-11% Over Time Performance (IEC Compliant) Limput Voltage 220 to 240 V Lime Frequency 50 to 60 Hz Inrush current 4 48 A Control gear failure rate at median useful. 5 % Life 50,000 h Lume maintenance at median useful. 10 % Lume maintenance at median useful life* L85 So,000 h Lume maintenance at median useful life* L85 So,000 h Lume maintenance at median useful life* L70 Lumen maintenance at median use	EU RoHS compliant	Yes	Overall width	450 mm
Luminous Flux 17,000 lm Correlated Colour Temperature 4000 K Luminous efficacy (rated) (nom.) 153 lm/W Coordering index (CRI) 280 Beam angle of light source 114 degree(s) Protection code 11807 [2 J reinforced] Initial chromaticity (0 38.0 38) 20 CM -3 Initial Performance (IEC Compliant) Unified Glare Rating (CEN) Not applicable Power consumption tolerance 4 -/-7% Initial Performance (IEC Compliant) Over Time Performance (IEC Compliant) Solidate Power failure rate at median useful 5 % Iffe 50,000 h Iffe 50,			Overall height	211 mm
Correlated Colour Temperature 4000 K Luminous efficacy (rated) (nom.) 153 Im/W Ingress protection code 1P65 (Dust penetration-protected Mech. Impact protection code 1R07 [2 J reinforced] Impact colour 1R07 [2 J reinforced] Initial Performance (IEC Compliant) Luminous flux tolerance 4 +/-7% Limitial Performance (IEC Compliant) Luminous flux tolerance 4 +/-7% Limitial Performance (IEC Compliant) Over Time Performance (IEC Compliant) Control gear failure rate at median useful 5 % Life 50,000 h Lumen maintenance at median useful 10 % Life 50,000 h Lumen maintenance at median useful life* L85 S0,000 h Lumen maintenance at median useful life* L70 100,000 h Lumen maintenance at median useful life* L70 100,000 h Maximum din level 10 % Suitable for random switching Yes Control performance ambient temperature 7q 25 °C Maximum din level 10 % Suitable for random switching Yes Control performance ambient temperature 7q 25 °C Maximum din level 10 % Suitable for random switching Yes Control performance ambient temperature 7q 25 °C Maximum din level 10 % Suitable for random switching Yes Control performance ambient temperature 7q 25 °C Maximum din level 10 % Suitable for random switching Yes Control performance 1R07 Po	Light Technical		Dimensions (height x width x depth)	211 x 450 x 647 mm
Luminous efficacy (rated) (nom.) 153 lm/W Lingress protection code 1P65 [Dust penetration-protected 1P65 [Dust penetration 1P65 [Dust penet	Luminous Flux	17,000 lm		
Mech. impact protection code IKO7 [2 J reinforced]	Correlated Colour Temperature	4000 K	Approval and Application	
Protection class IEC Safety class	Luminous efficacy (rated) (nom.)	153 lm/W	Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Light source colour 840 neutral white Optic type High-rack optic Opticat cover type Polycarbonate bowl/cover Luminaire light beam spread 16" x 47" Unified Glare Rating (CEN) Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush time 23 ms Inrush time 23 ms Inrush time 23 ms Iiffe 100,000 h Lumen maintenance at median useful 10 % Iiffe 100,000 h Lumen maintenance at median useful life* L70 Connection Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type Temperature Ambient temperature range -20 to +45 °C Control sand Dimming Dimmable Yes Control interface Full EOC S71869632175100	Colour rendering index (CRI)	≥80	Mech. impact protection code	IK07 [2 J reinforced]
Optic type	Beam angle of light source	114 degree(s)	Protection class IEC	Safety class I
Deptical cover type	Light source colour	840 neutral white		
Luminaire light beam spread 16" x 47" Unified Glare Rating (CEN) Not applicable Power consumption tolerance	Optic type	High-rack optic	Initial Performance (IEC Compliant)	
Unified Glare Rating (CEN) Not applicable Power consumption tolerance +/-11% Over Time Performance (IEC Compliant) Control gear failure rate at median useful 5% Line Frequency 50 to 60 Hz Line Frequency 50 to 60 Hz Linrush current 4.8 A Control gear failure rate at median useful 10% Inrush time 2.3 ms Iffe 100,000 h Lumen maintenance at median useful life* L85 Power Consumption 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 Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Control tipe for code 32/75100	Optical cover type	Polycarbonate bowl/cover	Luminous flux tolerance	+/-7%
Operating and Electrical Input Voltage 220 to 240 V Control gear failure rate at median useful 5 % Iffe 50,000 h Control gear failure rate at median useful 10 % Iffe 50,000 h Control gear failure rate at median useful 10 % Iffe 50,000 h Control gear failure rate at median useful 10 % Iffe 100,000 h Lumen maintenance at median useful Iffe L85 Power Consumption 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 B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10 % Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Full EOC 871869632175100	Luminaire light beam spread	16° x 47°	Initial chromaticity	(0.38, 0.38) SDCM <3
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 B Temperature Ambient temperature range -20 to +45 °C Diriver/power unit/transformer Power supply unit with DALI interface Control interface - Control gear failure rate at median useful 10 % Iife 50,000 h Lumen maintenance at median useful life* L85 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 Order product name BY471X GRN1705/840 HR0 PC AC Full EOC 871869632175100 Order code 32175100	Unified Glare Rating (CEN)	Not applicable	Power consumption tolerance	+/-11%
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 B Temperature Ambient temperature range -20 to +45 °C Diriver/power unit/transformer Power supply unit with DALI interface Control interface - Control gear failure rate at median useful 10 % Iife 50,000 h Lumen maintenance at median useful life* L85 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 Order product name BY471X GRN1705/840 HR0 PC AC Full EOC 871869632175100 Order code 32175100				
Line Frequency 50 to 60 Hz linush current 4.8 A linush time 2.3 ms Power Consumption 111 W Lumen maintenance at median useful life* L85 50,000 h Lumen maintenance at median useful life* L85 50,000 h Connection External connector Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type 12 B Application Conditions Performance ambient temperature Tq 25 °C Temperature Ambient temperature range -20 to +45 °C Controls and Dimming Dimmable Yes Product Data Order product name BY47IX GRN1705/840 HRO PC AC Control interface Full EOC 871869632175100 Order code 32175100	Operating and Electrical		Over Time Performance (IEC Compl	iant)
Inrush current 4.8 A Control gear failure rate at median useful 10 % Inrush time 2.3 ms Power Consumption 111 W Lumen maintenance at median useful life* L85 Power Factor (Fraction) 0.9 50,000 h Connection External connector Lumen maintenance at median useful life* L70 Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Order product name BY471X GRN1705/840 HRO PC ACC Driver/power unit/transformer Power supply unit with DALI interface Control interface - Full EOC 871869632175100 Order code 32175100	Input Voltage	220 to 240 V	Control gear failure rate at median useful	5 %
Inrush time 2.3 ms Power Consumption 1111 W Lumen maintenance at median useful life* L85 50,000 h Connection External connector Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Order product name BY47IX GRN170S/840 HRO PC AC Driver/power unit/transformer Power supply unit with DALI interface Constant light output No Order code 32175100	Line Frequency	50 to 60 Hz	life 50,000 h	
Power Consumption 111 W Lumen maintenance at median useful life* L85 Power Factor (Fraction) 0.9 50,000 h Connection External connector Lumen maintenance at median useful life* L70 Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Full EOC 871869632175100 Order code 32175100	Inrush current	4.8 A	Control gear failure rate at median useful	10 %
Power Factor (Fraction) Connection External connector Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Constant light output No Order code 32175100	Inrush time	2.3 ms	life 100,000 h	
Connection External connector Cable Cable 0.5 m with cable connector 3-pole Number of products on MCB of 16 A type 12 B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Constant light output No 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 Order product name BY47IX GRN1705/840 HRO PC ACC Full product name BY47IX GRN1705/840 HRO PC ACC B71869632175100 Order code 32175100	Power Consumption	111 W	Lumen maintenance at median useful life	* L85
Cable Cable O.5 m with cable connector 3-pole Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Constant light output No Cable 0.5 m with cable connector 3-pole 100,000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Order product Data Order product name BY471X GRN170S/840 HRO PC ACC Full product name BY471X GRN170S/840 HRO PC ACC Full EOC 871869632175100 Order code 32175100	Power Factor (Fraction)	0.9	50,000 h	
Number of products on MCB of 16 A type B Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Constant light output No Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Order product Data Order product name BY471X GRN170S/840 HRO PC ACC Full EOC 871869632175100 Order code 32175100	Connection	External connector	Lumen maintenance at median useful life	* L70
Application Conditions Performance ambient temperature Tq 25 °C Temperature Ambient temperature range -20 to +45 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface - Constant light output No Application Conditions Performance ambient temperature Tq 25 °C Suitable for random switching Yes Suitable for random switching Yes Order product Data Driver/power unit/transformer Power supply unit with DALI interface Full product name BY471X GRN170S/840 HRO PC ACC B71869632175100 Order code 32175100	Cable	Cable 0.5 m with cable connector 3-pole	100,000 h	
Performance ambient temperature Tq 25 °C Temperature Ambient temperature range -20 to +45 °C Suitable for random switching Yes Controls and Dimming Dimmable Yes Order product name BY471X GRN170S/840 HRO PC AC Driver/power unit/transformer Power supply unit with DALI interface Control interface - Constant light output No Performance ambient temperature Tq 25 °C Maximum dim level 10% Suitable for random switching Yes Full EOC 871869632175100	Number of products on MCB of 16 A type	12		
Temperature Ambient temperature range -20 to +45 °C Suitable for random switching Product Data Dimmable Yes Order product name BY471X GRN170S/840 HRO PC AC Driver/power unit/transformer Power supply unit with DALI interface Full product name BY471X GRN170S/840 HRO PC AC Full EOC 871869632175100 Order code 32175100	В		Application Conditions	
Ambient temperature range -20 to +45 °C Controls and Dimming Dimmable Yes Order product Data Order product name BY471X GRN170S/840 HRO PC AC Driver/power unit/transformer Power supply unit with DALI interface Full product name BY471X GRN170S/840 HRO PC AC Control interface - Full EOC 871869632175100 Constant light output No Order code 32175100			Performance ambient temperature Tq	25 ℃
Controls and Dimming Dimmable Yes Order product name BY471X GRN170S/840 HRO PC ACC Detail product name BY471X GRN170S/840 HRO PC ACC Detail interface Full product name BY471X GRN170S/840 HRO PC ACC Detail interface - Full EOC 871869632175100 Constant light output No Order code 32175100	Temperature		Maximum dim level	10%
Controls and Dimming Dimmable Yes Order product name BY471X GRN170S/840 HRO PC ACC Details of the product name BY471X GRN170S/840 HRO PC ACC DETAILS of the product name BY471X GRN170S/840 H	Ambient temperature range	-20 to +45 °C	Suitable for random switching	Yes
Dimmable Yes Order product name BY471X GRN170S/840 HRO PC AC Driver/power unit/transformer Power supply unit with DALI interface Full product name BY471X GRN170S/840 HRO PC AC Control interface - Full EOC 871869632175100 Constant light output No Order code 32175100				
DimmableYesOrder product nameBY471X GRN170S/840 HRO PC ACDriver/power unit/transformerPower supply unit with DALI interfaceFull product nameBY471X GRN170S/840 HRO PC ACControl interface-Full EOC871869632175100Constant light outputNoOrder code32175100	Controls and Dimming		Product Data	
Control interface Full EOC 871869632175100 Constant light output No Order code 32175100		Yes	Order product name	BY471X GRN170S/840 HRO PC ACW WH
Control interface - Full EOC 871869632175100 Constant light output No Order code 32175100	Driver/power unit/transformer	Power supply unit with DALI interface	Full product name	BY471X GRN170S/840 HRO PC ACW WH
Constant light output No Order code 32175100	-		Full EOC	871869632175100
		No	Order code	32175100
			Material no. (12 NC)	910930205934
Mechanical and Housing SAP numerator – quantity per pack 1	Mechanical and Housing		SAP numerator – quantity per pack	1
Housing material Aluminium EAN/UPC — Product/Case 8718696321751		Aluminium		8718696321751
Reflector material - Numerator – packs per outer box 1		-	Numerator – packs per outer box	
Optic material Acrylate EAN/UPC - Case 8718696321751		Acrylate		
Optical cover/lens material Polycarbonate			,	
Fixation material Stainless steel				
Housing Colour White	HOUSING COLOUR	wille		

GentleSpace Green Warehouse system

Dimensional drawing







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