



GreenWarehouse – wireless lighting system, giving you control of energy savings

GentleSpace Green Warehouse system

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.

Benefits

- Optimal operating costs for a low investment
- One system; works across other Philips product platforms – GentleSpace gen2, Maxos LED and Pacific LED
- Future-proof system: wireless adjustment of lighting settings and fast re-zoning if use of space changes

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Features

- Different lighting levels and timings can be set per sensor, group and network of luminaires
- No compromise on operators' safety, well-being and productivity
- Wireless re-zoning by the end-user
- Advanced sensor technology for effective presence detection, even from a great height
- The system is suitable for both new builds and retrofit installations
- Dedicated warehouse kits; via bundled orders

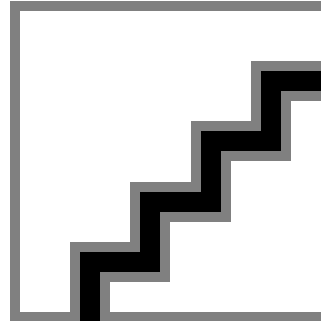
Application

- Storage
- Distribution centers
- Cross-docking facilities

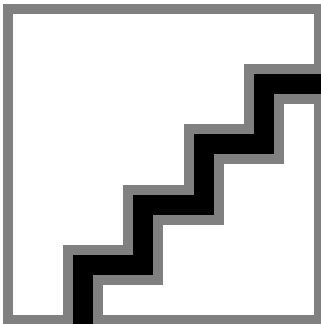
Versions



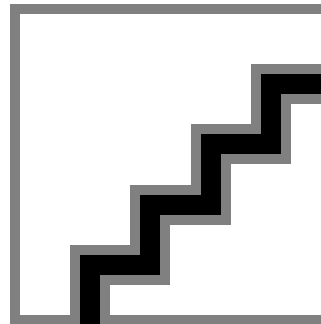
GentleSpace GreenWarehouse
BY470X high-bay luminaire,
13,000 lumen version



GentleSpace GreenWarehouse
BY471X high-bay luminaire, 17,000
lumen version



GentleSpace GreenWarehouse
BY471X high-bay luminaire,
25,000 lumen version



GentleSpace GreenWarehouse
BY470X high-bay luminaire,
13,000 lumen version



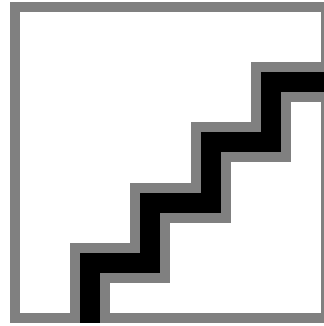
GentleSpace GreenWarehouse
BY471X high-bay luminaire, 17,000
lumen version



GentleSpace GreenWarehouse
BY471X high-bay luminaire,
25,000 lumen version

GentleSpace Green Warehouse system

Product details



IPDP_BY470Xi_0001-Detail photo

Accessories



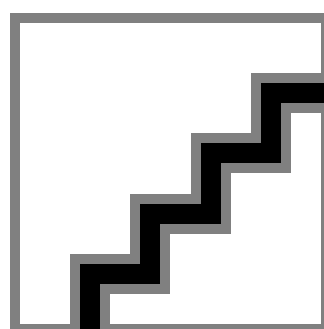
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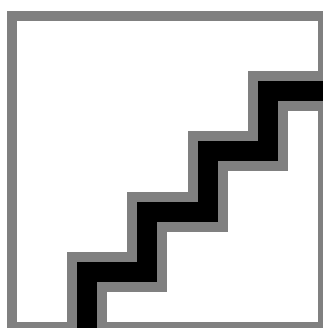
Ordercode 90048100



Ordercode 90866100



Ordercode 90867800



Extended IR Programming Tool is a remote control for testing and (re)commissioning the warehouse system via infrared

Ordercode 30204000

GentleSpace Green Warehouse system

Application Conditions

Ambient temperature range	-20 to +45 °C
Maximum dim level	10%
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	114 °
CE mark	CE mark
Protection class IEC	Safety class I
Design Award Winner mark	Design Award Winner 2014
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	D
Glow-wire test	Temperature 650 °C, duration 5 s
Embedded control	ACW
Light source replaceable	Yes

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	≥80
Luminous flux tolerance	+/-7%

General Information (1/2)

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Number of light sources
32132400	BY470X GRN130S/840 NB GC ACW SI	GC	GRN130S	1 unit	8
32133100	BY470X GRN130S/840 MB GC ACW SI	GC	GRN130S	1 unit	8
32134800	BY470X GRN130S/840 WB GC ACW SI	GC	GRN130S	1 unit	8
32144700	BY470X GRN130S/840 NB PC ACW SI	PC	GRN130S	1 unit	8
32145400	BY470X GRN130S/840 MB PC ACW SI	PC	GRN130S	1 unit	8
32146100	BY470X GRN130S/840 WB PC ACW SI	PC	GRN130S	1 unit	8
32147800	BY470X GRN130S/840 HRO PC ACW SI	PC	GRN130S	1 unit	8
32136200	BY471X GRN170S/840 NB GC ACW SI	GC	GRN170S	1 unit	12
32137900	BY471X GRN170S/840 MB GC ACW SI	GC	GRN170S	1 unit	12
32139300	BY471X GRN170S/840 HRO GC ACW SI	GC	GRN170S	1 unit	12
32148500	BY471X GRN170S/840 NB PC ACW SI	PC	GRN170S	1 unit	12
32149200	BY471X GRN170S/840 MB PC ACW SI	PC	GRN170S	1 unit	12
32150800	BY471X GRN170S/840 WB PC ACW SI	PC	GRN170S	1 unit	12
32151500	BY471X GRN170S/840 HRO PC ACW SI	PC	GRN170S	1 unit	12
32143000	BY471X GRN250S/840 HRO GC ACW SI	GC	GRN250S	2 units	16
32152200	BY471X GRN250S/840 NB PC ACW SI	PC	GRN250S	2 units	16
32153900	BY471X GRN250S/840 MB PC ACW SI	PC	GRN250S	2 units	16
32155300	BY471X GRN250S/840 HRO PC ACW SI	PC	GRN250S	2 units	16
32156000	BY470X GRN130S/840 NB GC ACW WH	GC	GRN130S	1 unit	8
32157700	BY470X GRN130S/840 MB GC ACW WH	GC	GRN130S	1 unit	8
32159100	BY470X GRN130S/840 HRO GC ACW WH	GC	GRN130S	1 unit	8
32168300	BY470X GRN130S/840 NB PC ACW WH	PC	GRN130S	1 unit	8
32169000	BY470X GRN130S/840 MB PC ACW WH	PC	GRN130S	1 unit	8
32170600	BY470X GRN130S/840 WB PC ACW WH	PC	GRN130S	1 unit	8
32171300	BY470X GRN130S/840 HRO PC ACW WH	PC	GRN130S	1 unit	8
32160700	BY471X GRN170S/840 NB GC ACW WH	GC	GRN170S	1 unit	12
32161400	BY471X GRN170S/840 MB GC ACW WH	GC	GRN170S	1 unit	12
32162100	BY471X GRN170S/840 WB GC ACW WH	GC	GRN170S	1 unit	12
32163800	BY471X GRN170S/840 HRO GC ACW WH	GC	GRN170S	1 unit	12
32172000	BY471X GRN170S/840 NB PC ACW WH	PC	GRN170S	1 unit	12
32173700	BY471X GRN170S/840 MB PC ACW WH	PC	GRN170S	1 unit	12

GentleSpace Green Warehouse system

Order Code	Full Product Name	Optical	Lamp family code	Number of gear units	Number of light sources
		cover/lens type			
32174400	BY471X GRN170S/840 WB PC ACW WH	PC	GRN170S	1 unit	12
32175100	BY471X GRN170S/840 HRO PC ACW WH	PC	GRN170S	1 unit	12
32164500	BY471X GRN250S/840 NB GC ACW WH	GC	GRN250S	2 units	16
32165200	BY471X GRN250S/840 MB GC ACW WH	GC	GRN250S	2 units	16
32176800	BY471X GRN250S/840 NB PC ACW WH	PC	GRN250S	2 units	16
32177500	BY471X GRN250S/840 MB PC ACW WH	PC	GRN250S	2 units	16

General Information (2/2)

Order Code	Full Product Name	Optic type	Product Family	
			Code	
32132400	BY470X GRN130S/840 NB GC ACW SI	NB	BY470X	
32133100	BY470X GRN130S/840 MB GC ACW SI	MB	BY470X	
32134800	BY470X GRN130S/840 WB GC ACW SI	WB	BY470X	
32144700	BY470X GRN130S/840 NB PC ACW SI	NB	BY470X	
32145400	BY470X GRN130S/840 MB PC ACW SI	MB	BY470X	
32146100	BY470X GRN130S/840 WB PC ACW SI	WB	BY470X	
32147800	BY470X GRN130S/840 HRO PC ACW SI	HRO	BY470X	
32136200	BY471X GRN170S/840 NB GC ACW SI	NB	BY471X	
32137900	BY471X GRN170S/840 MB GC ACW SI	MB	BY471X	
32139300	BY471X GRN170S/840 HRO GC ACW SI	HRO	BY471X	
32148500	BY471X GRN170S/840 NB PC ACW SI	NB	BY471X	
32149200	BY471X GRN170S/840 MB PC ACW SI	MB	BY471X	
32150800	BY471X GRN170S/840 WB PC ACW SI	WB	BY471X	
32151500	BY471X GRN170S/840 HRO PC ACW SI	HRO	BY471X	
32143000	BY471X GRN250S/840 HRO GC ACW SI	HRO	BY471X	
32152200	BY471X GRN250S/840 NB PC ACW SI	NB	BY471X	
32153900	BY471X GRN250S/840 MB PC ACW SI	MB	BY471X	
32155300	BY471X GRN250S/840 HRO PC ACW SI	HRO	BY471X	
32156000	BY470X GRN130S/840 NB GC ACW WH	NB	BY470X	

Order Code	Full Product Name	Optic type	Product Family	
			Code	
32157700	BY470X GRN130S/840 MB GC ACW WH	MB	BY470X	
32159100	BY470X GRN130S/840 HRO GC ACW WH	HRO	BY470X	
32168300	BY470X GRN130S/840 NB PC ACW WH	NB	BY470X	
32169000	BY470X GRN130S/840 MB PC ACW WH	MB	BY470X	
32170600	BY470X GRN130S/840 WB PC ACW WH	WB	BY470X	
32171300	BY470X GRN130S/840 HRO PC ACW WH	HRO	BY470X	
32160700	BY471X GRN170S/840 NB GC ACW WH	NB	BY471X	
32161400	BY471X GRN170S/840 MB GC ACW WH	MB	BY471X	
32162100	BY471X GRN170S/840 WB GC ACW WH	WB	BY471X	
32163800	BY471X GRN170S/840 HRO GC ACW WH	HRO	BY471X	
32172000	BY471X GRN170S/840 NB PC ACW WH	NB	BY471X	
32173700	BY471X GRN170S/840 MB PC ACW WH	MB	BY471X	
32174400	BY471X GRN170S/840 WB PC ACW WH	WB	BY471X	
32175100	BY471X GRN170S/840 HRO PC ACW WH	HRO	BY471X	
32164500	BY471X GRN250S/840 NB GC ACW WH	NB	BY471X	
32165200	BY471X GRN250S/840 MB GC ACW WH	MB	BY471X	
32176800	BY471X GRN250S/840 NB PC ACW WH	NB	BY471X	
32177500	BY471X GRN250S/840 MB PC ACW WH	MB	BY471X	

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED	Initial luminous flux	Initial input power
		luminaire efficacy		
32132400	BY470X GRN130S/840 NB GC ACW SI	148 lm/W	13000 lm	88 W
32133100	BY470X GRN130S/840 MB GC ACW SI	148 lm/W	13000 lm	88 W
32134800	BY470X GRN130S/840 WB GC ACW SI	148 lm/W	13000 lm	88 W

Order Code	Full Product Name	Initial LED	Initial luminous flux	Initial input power
		luminaire efficacy		
32144700	BY470X GRN130S/840 NB PC ACW SI	148 lm/W	13000 lm	88 W
32145400	BY470X GRN130S/840 MB PC ACW SI	148 lm/W	13000 lm	88 W
32146100	BY470X GRN130S/840 WB PC ACW SI	148 lm/W	13000 lm	88 W

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Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
32147800	BY470X GRN130S/840 HRO PC ACW SI	148 lm/W	13000 lm	88 W
32136200	BY471X GRN170S/840 NB GC ACW SI	153 lm/W	17000 lm	111 W
32137900	BY471X GRN170S/840 MB GC ACW SI	153 lm/W	17000 lm	111 W
32139300	BY471X GRN170S/840 HRO GC ACW SI	153 lm/W	17000 lm	111 W
32148500	BY471X GRN170S/840 NB PC ACW SI	153 lm/W	17000 lm	111 W
32149200	BY471X GRN170S/840 MB PC ACW SI	153 lm/W	17000 lm	111 W
32150800	BY471X GRN170S/840 WB PC ACW SI	153 lm/W	17000 lm	111 W
32151500	BY471X GRN170S/840 HRO PC ACW SI	153 lm/W	17000 lm	111 W
32143000	BY471X GRN250S/840 HRO GC ACW SI	152 lm/W	25000 lm	165 W
32152200	BY471X GRN250S/840 NB PC ACW SI	152 lm/W	25000 lm	165 W
32153900	BY471X GRN250S/840 MB PC ACW SI	152 lm/W	25000 lm	165 W
32155300	BY471X GRN250S/840 HRO PC ACW SI	152 lm/W	25000 lm	165 W
32156000	BY470X GRN130S/840 NB GC ACW WH	148 lm/W	13000 lm	88 W
32157700	BY470X GRN130S/840 MB GC ACW WH	148 lm/W	13000 lm	88 W
32159100	BY470X GRN130S/840 HRO GC ACW WH	148 lm/W	13000 lm	88 W
32168300	BY470X GRN130S/840 NB PC ACW WH	148 lm/W	13000 lm	88 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
32169000	BY470X GRN130S/840 MB PC ACW WH	148 lm/W	13000 lm	88 W
32170600	BY470X GRN130S/840 WB PC ACW WH	148 lm/W	13000 lm	88 W
32171300	BY470X GRN130S/840 HRO PC ACW WH	148 lm/W	13000 lm	88 W
32160700	BY471X GRN170S/840 NB GC ACW WH	153 lm/W	17000 lm	111 W
32161400	BY471X GRN170S/840 MB GC ACW WH	153 lm/W	17000 lm	111 W
32162100	BY471X GRN170S/840 WB GC ACW WH	153 lm/W	17000 lm	111 W
32163800	BY471X GRN170S/840 HRO GC ACW WH	153 lm/W	17000 lm	111 W
32172000	BY471X GRN170S/840 NB PC ACW WH	153 lm/W	17000 lm	111 W
32173700	BY471X GRN170S/840 MB PC ACW WH	153 lm/W	17000 lm	111 W
32174400	BY471X GRN170S/840 WB PC ACW WH	153 lm/W	17000 lm	111 W
32175100	BY471X GRN170S/840 HRO PC ACW WH	153 lm/W	17000 lm	111 W
32164500	BY471X GRN250S/840 NB GC ACW WH	152 lm/W	25000 lm	165 W
32165200	BY471X GRN250S/840 MB GC ACW WH	152 lm/W	25000 lm	165 W
32176800	BY471X GRN250S/840 NB PC ACW WH	152 lm/W	25000 lm	165 W
32177500	BY471X GRN250S/840 MB PC ACW WH	152 lm/W	25000 lm	165 W

Mechanical and Housing

Order Code	Full Product Name	Colour
32132400	BY470X GRN130S/840 NB GC ACW SI	Silver
32133100	BY470X GRN130S/840 MB GC ACW SI	Silver
32134800	BY470X GRN130S/840 WB GC ACW SI	Silver
32144700	BY470X GRN130S/840 NB PC ACW SI	Silver
32145400	BY470X GRN130S/840 MB PC ACW SI	Silver
32146100	BY470X GRN130S/840 WB PC ACW SI	Silver
32147800	BY470X GRN130S/840 HRO PC ACW SI	Silver
32136200	BY471X GRN170S/840 NB GC ACW SI	Silver
32137900	BY471X GRN170S/840 MB GC ACW SI	Silver
32139300	BY471X GRN170S/840 HRO GC ACW SI	Silver
32148500	BY471X GRN170S/840 NB PC ACW SI	Silver
32149200	BY471X GRN170S/840 MB PC ACW SI	Silver
32150800	BY471X GRN170S/840 WB PC ACW SI	Silver
32151500	BY471X GRN170S/840 HRO PC ACW SI	Silver

Order Code	Full Product Name	Colour
32143000	BY471X GRN250S/840 HRO GC ACW SI	Silver
32152200	BY471X GRN250S/840 NB PC ACW SI	Silver
32153900	BY471X GRN250S/840 MB PC ACW SI	Silver
32155300	BY471X GRN250S/840 HRO PC ACW SI	Silver
32156000	BY470X GRN130S/840 NB GC ACW WH	White
32157700	BY470X GRN130S/840 MB GC ACW WH	White
32159100	BY470X GRN130S/840 HRO GC ACW WH	White
32168300	BY470X GRN130S/840 NB PC ACW WH	White
32169000	BY470X GRN130S/840 MB PC ACW WH	White
32170600	BY470X GRN130S/840 WB PC ACW WH	White
32171300	BY470X GRN130S/840 HRO PC ACW WH	White
32160700	BY471X GRN170S/840 NB GC ACW WH	White
32161400	BY471X GRN170S/840 MB GC ACW WH	White
32162100	BY471X GRN170S/840 WB GC ACW WH	White

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Order Code	Full Product Name	Colour
32163800	BY471X GRN170S/840 HRO GC ACW WH	White
32172000	BY471X GRN170S/840 NB PC ACW WH	White
32173700	BY471X GRN170S/840 MB PC ACW WH	White
32174400	BY471X GRN170S/840 WB PC ACW WH	White
32175100	BY471X GRN170S/840 HRO PC ACW WH	White

Order Code	Full Product Name	Colour
32164500	BY471X GRN250S/840 NB GC ACW WH	White
32165200	BY471X GRN250S/840 MB GC ACW WH	White
32176800	BY471X GRN250S/840 NB PC ACW WH	White
32177500	BY471X GRN250S/840 MB PC ACW WH	White

