PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW WH SWP

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, Glass, White

With the introduction of the GentleSpace LED luminaire in 2011, Philips achieved a breakthrough in high-bay lighting, offering a huge reduction in power consumption, a long service life and an innovative design. Now, with GentleSpace gen2, Philips is setting a new standard in the market, with an improved total cost of ownership, even in extreme conditions. In addition, a high diversity of options are available to ensure an ideal solution for your application like optics, coatings and enabling the use of a central emergency grid (PSED).

Product data

General Information	
Lamp family code	GRN250S [LED GreenLine system flux 25000
	lm]
Cap-Base	- [-]
Light source replaceable	Yes
Number of gear units	2 units
Gear	EB [Electronic]
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.

Service tag	Yes
Product family code	BY471P [GentleSpace 2]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °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

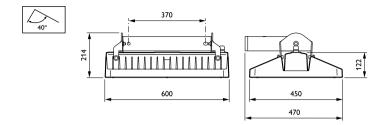
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Color rendering index (CRI)	≥80
	16
Number of light sources	
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Asymmetrical mirror axis angle 50°
Optical cover type	Glass
Luminaire light beam spread	56° x 33°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	164 W
	0.9
Power Factor (Fraction) Connection	External connector
connection	Cord with plug Wieland/Adels compatible 5
Cable	
Cable	
	pole
Cable Number of products on MCB of 16 A type B	pole
Number of products on MCB of 16 A type	pole
Number of products on MCB of 16 A type	pole
Number of products on MCB of 16 A type B	pole
Number of products on MCB of 16 A type B Temperature	pole 6
Number of products on MCB of 16 A type B Temperature	pole 6
Number of products on MCB of 16 A type B Temperature Ambient temperature range	pole 6
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	pole 6 -30 to +45 °C
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	pole 6 -30 to +45 °C Yes
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface DALI
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface DALI
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface DALI
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface DALI No
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	pole 6 -30 to +45 °C Yes Power supply unit with DALI interface DALI No
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	pole 6 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum -
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	pole 6 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Aluminum
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optic aterial	pole 6 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	pole 6 -30 to +45 °C -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminum - Aluminum - Acrylate Glass Steel
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish	pole 6 -30 to +45 °C -30 to +45 °C -30 to +45 °C - Yes Power supply unit with DALI interface DALI No Aluminum - Aluminum - Acrylate Glass Steel Steel White
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	pole 6 -30 to +45 °C -30 to +45 °C -30 to +45 °C - Yes Power supply unit with DALI interface DALI Power supply unit with DALI interface Acrylate Aluminum - Acrylate Glass Steel Steel White Clear
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length	pole 6 -30 to +45 °C -30 to +45 °C -30 to +45 °C - Yes Power supply unit with DALI interface DALI No DALI No Aluminum Aluminum - Acrylate Glass Steel Steel White Clear 600 mm

Dimensions (Height x Width x Depth)	150 x 450 x 600 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 Compli	ant)
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L85
life* 50000 h	
Lumen maintenance at median useful	L70
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	Yes
Product Data	
Order product name	BY471P GRN250S/840 PSD A50 G MBW WH
	SWP
Full product name	BY471P GRN250S/840 PSD A50 G MBW WH
	SWP
Full product code	871869634600600
Order code	34600600
Material Nr. (12NC)	910925863187
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696346006
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696346006

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Dimensional drawing





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