PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW WH

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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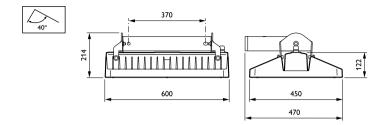
Color rendering index (CRI)	≥80	Overall height
Number of light sources	16	Dimensions (Height x Width x De
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Application
Optic type	Asymmetrical mirror axis angle 50°	Ingress protection code
Optical cover type	Glass	Mech. impact protection code
Luminaire light beam spread	56° x 33°	Protection class IEC
Unified glare rating CEN	Not applicable	
		Initial Performance (IEC Co
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption tolerance
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Time Performance (IE
Power Consumption	164 W	Control gear failure rate at medi
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure rate at medi
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance at median u
Number of products on MCB of 16 A type	6	life* 50000 h
В		Lumen maintenance at median u
		life* 100000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conditions
Ambient temperature range	-30 to +45 °C	
	-30 to +45 °C	
Controls and Dimming	-30 to +45 °C Yes	Performance ambient temperate
Controls and Dimming Dimmable		Performance ambient temperate Maximum dim level
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes	Performance ambient temperatu Maximum dim level
Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface	Performance ambient temperate Maximum dim level Suitable for random switching
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Controls and Dimming Dimmable Driver/power unit/transformer Control interface	Yes Power supply unit with DALI interface DALI	Performance ambient temperate Maximum dim level Suitable for random switching Product Data Order product name
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	Yes Power supply unit with DALI interface DALI	Performance ambient temperate Maximum dim level Suitable for random switching Product Data Order product name Full product name
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	Yes Power supply unit with DALI interface DALI No	Performance ambient temperate Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	Yes Power supply unit with DALI interface DALI No	Performance ambient temperate Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Yes Power supply unit with DALI interface DALI No Aluminum -	Performance ambient temperate Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)
Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate	Performance ambient temperatu Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack
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	Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass	Performance ambient temperatu Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case
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	Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel	Performance ambient temperatu Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box
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	Yes Power supply unit with DALI interface DALI No Aluminum - Acrylate Glass Steel White	Performance ambient temperatu Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box

Overall height	150 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 Compliant)		
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	
Full product name	BY471P GRN250S/840 PSD A50 G MBW WH	
Full product code	871869634598600	
Order code	34598600	
Material Nr. (12NC)	910925863185	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696345986	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696345986	

150 mm

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Dimensional drawing





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