PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD HRO AC SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, High-rack optic, Acrylic bowl/cover, Silver

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	*- 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	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 650 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	25,000 lm	
Correlated Colour Temperature	4000 K	

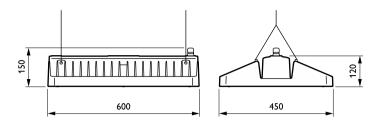
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Luminous efficacy (rated) (nom.)	152 lm/W	Overall height
Colour rendering index (CRI)	≥80	Dimensions (height x width
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approval and Application
Optic type	High-rack optic	Ingress protection code
Optical cover type	Acrylic bowl/cover	Mech. impact protection cod
Luminaire light beam spread	16° x 47°	Protection class IEC
Unified Glare Rating (CEN)	Not applicable	
		Initial Performance (IEC
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption toleran
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Time Performance
Power Consumption	164 W	Control gear failure rate at r
Power Factor (Fraction)	0.9	life 50,000 h
Connection	External connector	Control gear failure rate at r
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h
	pole	Lumen maintenance at med
Number of products on MCB of 16 A type	6	life* 50,000 h
В		Lumen maintenance at med
		life* 100,000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conditions
		Performance ambient temp
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random switchi
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product Data
Constant light output	No	Order product name
		Full product name
Mechanical and Housing		Full EOC
Housing material	Aluminium	Order code
Reflector material	-	Material no. (12 NC)
Optic material	Acrylate	SAP numerator - quantity p
Optical cover/lens material	Acrylate	EAN/UPC - Product/Case
Fixation material	Stainless steel	Numerator – packs per oute
Housing Colour	Silver	EAN/UPC - Case
Optical cover/lens finish	Clear	
Overall length	600 mm	
Overall width	450 mm	

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 50,000 h			
Control gear failure rate at median useful	10 %		
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 ℃		
Maximum dim level	10%		
Suitable for random switching	No		
Product Data			
Order product name	BY471P GRN250S/840 PSD HRO AC SI		
Full product name	BY471P GRN250S/840 PSD HRO AC SI		
Full EOC	871869632289500		
Order code	32289500		
Material no. (12 NC)	910930206049		
SAP numerator – quantity per pack	1		
EAN/UPC — Product/Case	8718696322895		
Numerator – packs per outer box	1		
EAN/UPC - Case	8718696322895		

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Dimensional drawing





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