PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD NB GC BR SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow beam, Clear glass, 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	*-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.	

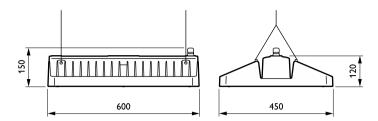
Service tag	Yes	
Product family code	BY471P [GentleSpace 2]	
Lighting Technology	LED	
Embedded control	-	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on easily flammable surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 850 °C, duration 5 s	
EU RoHS compliant	Yes	
Light 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	150 mm
Number of light sources	16	Dimensions (Height x Width x Depth)	150 x 450 x 600 mm
Beam angle of light source	114 degree(s)		
Light source color	840 neutral white	Approval and Application	
Optic type	Narrow beam	Ingress protection code	IP65 [Dust penetration-protected, jet-proo
Optical cover type	Clear glass	Mech. impact protection code	IK07 [2 J reinforced]
Luminaire light beam spread	25° x 30°	Protection class IEC	Safety class I
Unified glare rating CEN	19		
		Initial Performance (IEC Compliant)	
Operating and Electrical		Luminous flux tolerance	+/-7%
Input Voltage	220-240 V	Initial chromaticity	(0.38, 0.38) SDCM <3
Line Frequency	50 to 60 Hz	Power consumption tolerance	+/-11%
Inrush current	9.6 A	<u>.</u>	
Inrush time	2.3 ms	Over Time Performance (IEC Compli	ant)
Power Consumption	164 W	Control gear failure rate at median useful	
Power Factor (Fraction)	0.9	life 50000 h	
Connection	External connector	Control gear failure rate at median useful	10 %
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h	
	pole	Lumen maintenance at median useful	L85
Number of products on MCB of 16 A type	6	life* 50000 h	
В		Lumen maintenance at median useful	L70
		life* 100000 h	
Temperature			
Ambient temperature range	-30 to +45 °C	Application Conditions	
		Performance ambient temperature Tq	25 °C
Controls and Dimming		Maximum dim level	10%
Dimmable	Yes	Suitable for random switching	No
Driver/power unit/transformer	Power supply unit with DALI interface		
Control interface	DALI	Product Data	
Constant light output	No	Order product name	BY471P GRN250S/840 PSD NB GC BR SI
		Full product name	BY471P GRN250S/840 PSD NB GC BR SI
Mechanical and Housing		Full product code	871869632205500
Housing Material	Aluminum	Order code	910930205964
Reflector material	-	Material Nr. (12NC)	910930205964
Optic material	Acrylate	Local order code	BY471P2504KDNBR
Optical cover material	Glass	Numerator - Quantity Per Pack	1
Fixation material	Steel	EAN/UPC - Product/Case	8718696322055
Housing Color	Silver	Numerator - Packs per outer box	1
Optical cover finish	Clear	EAN/UPC - Case	8718696322055
Overall length	600 mm		
Overall width	450 mm		

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Dimensional drawing





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