PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD WB AC BR SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, 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	*-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 650 °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

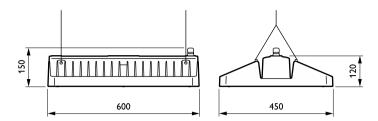
GentleSpace gen2

Color rendering index (CRI)	≥80	Overall heig
Number of light sources	16	Dimensions
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval a
Optic type	Wide beam	Ingress prot
Optical cover type	Acrylic bowl/cover	Mech. impac
Luminaire light beam spread	44° x 42°	Protection c
Unified glare rating CEN	25	
		Initial Perf
Operating and Electrical		Luminous flu
Input Voltage	220-240 V	Initial chrom
Line Frequency	50 to 60 Hz	Power const
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Time
Power Consumption	164 W	Control gea
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000
	pole	Lumen main
Number of products on MCB of 16 A type	6	50000 h
В		Lumen main
		100000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Applicatio
		Performance
Controls and Dimming		Maximum d
Dimmable	Yes	Suitable for
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product Da
Constant light output	No	Order produ
		Full product
Mechanical and Housing		Full product
Housing Material	Aluminum	Order code
Reflector material	-	Material Nr.
Optic material	Acrylate	Numerator -
Optical cover material	Acrylate	EAN/UPC -
Fixation material	Steel	Numerator -
Housing Color	Silver	EAN/UPC -
Optical cover 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 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 life*	L85
50000 h	
Lumen maintenance at median useful life*	L70
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P GRN250S/840 PSD WB AC BR SI
Full product name	BY471P GRN250S/840 PSD WB AC BR SI 871869632224600
Full product code	
Order code	32224600
Material Nr. (12NC)	910930205983
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322246
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322246

GentleSpace gen2

Dimensional drawing





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