PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD WB GC BR WH SWP

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, White, Swimming pool protected coating

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	Dimensions (Height x Width x Depth)
Number of light sources	16	
Beam angle of light source	114 degree(s)	Approval and Application
Light source color	840 neutral white	Ingress protection code
Optic type	Wide beam	Mech. impact protection code
Optical cover type	Clear glass	Protection class IEC
Luminaire light beam spread	44° x 42°	
Unified glare rating CEN	25	Initial Performance (IEC Complian
		Luminous flux tolerance
Operating and Electrical		Initial chromaticity
Input Voltage	220-240 V	Power consumption tolerance
Line Frequency	50 to 60 Hz	
Inrush current	9.6 A	Over Time Performance (IEC Com
Inrush time	2.3 ms	Control gear failure rate at median use
Power Consumption	164 W	life 50000 h
Power Factor (Fraction)	0.9	Control gear failure rate at median use
Connection	External connector	life 100000 h
Cable	Cord with plug Wieland/Adels compatible 5-	Lumen maintenance at median useful l
	pole	50000 h
Number of products on MCB of 16 A type	6	Lumen maintenance at median useful l
В		100000 h
Temperature		Application Conditions
Ambient temperature range	-30 to +45 °C	Performance ambient temperature Tq
		Maximum dim level
Controls and Dimming		Suitable for random switching
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DALI interface	Product Data
Control interface	DALI	Order product name
Constant light output	No	•
		Full product name
Mechanical and Housing		·
Housing Material	Aluminum	Full product code
Reflector material	-	Order code
Optic material	Acrylate	Material Nr. (12NC)
Optical cover material	Glass	Numerator - Quantity Per Pack
Fixation material	Steel	EAN/UPC - Product/Case
Housing Color	White	Numerator - Packs per outer box
Optical cover finish	Clear	EAN/UPC - Case
Overall length	600 mm	-
	450 mm	
Overall width		

150 mm

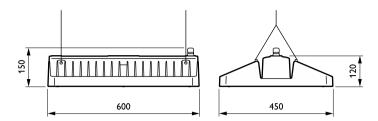
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Complia	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 GC BR WH
	SWP
Full product name	BY471P GRN250S/840 PSD WB GC BR WH
	SWP
Full product code	871869632254300
Order code	32254300
Material Nr. (12NC)	910930206014
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322543
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322543

150 x 450 x 600 mm

Overall height

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Dimensional drawing





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