PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD MB PC SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Polycarbonate 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	GRN170S [LED GreenLine system flux 17000
	lm]
Cap-Base	- [-]
Light source replaceable	Yes
Number of gear units	1 unit
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	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 lm/W

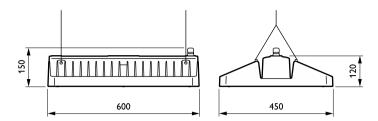
GentleSpace gen2

Color rendering index (CRI)	≥80	Overall hei
Number of light sources	12	Dimension
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval
Optic type	Medium beam	Ingress pro
Optical cover type	Polycarbonate bowl/cover	Mech. impa
Luminaire light beam spread	40° x 40°	Protection
Unified glare rating CEN	25	
		Initial Pe
Operating and Electrical		Luminous f
Input Voltage	220-240 V	Initial chro
Line Frequency	50 to 60 Hz	Power con
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Tim
Power Consumption	110 W	Control gea
Power Factor (Fraction)	0.9	life 50000
Connection	External connector	Control gea
Cable	Cord with plug Wieland/Adels compatible 5-	life 10000
	pole	Lumen mai
Number of products on MCB of 16 A type	12	50000 h
В		Lumen mai
		100000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Applicati
		Performan
Controls and Dimming		Maximum
Dimmable	Yes	Suitable fo
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product [
Constant light output	No	Order prod
		Full produc
Mechanical and Housing		Full produc
Housing Material	Aluminum	Order code
Reflector material	-	Material N
Optic material	Acrylate	Numerator
Optical cover material	Polymethyl methacrylate	EAN/UPC
Fixation material	Stainless 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 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 life*	L85	
50000 h		
Lumen maintenance at median useful life*	L70	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Suitable for random switching	No	
Due du et Dete		
Product Data		
Order product name	BY471P GRN170S/840 PSD MB PC SI	
Full product name	BY471P GRN170S/840 PSD MB PC SI	
Full product code	871869632271000	
Order code	32271000	
Material Nr. (12NC)	910930206031	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696322710	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696322710	

GentleSpace gen2

Dimensional drawing





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