PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD HRO PC SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, High-rack optic, 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

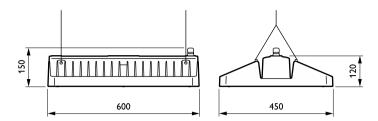
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Color rendering index (CRI)	≥80	Overall
	12	Dimens
Number of light sources		Dimens
Beam angle of light source	114 degree(s)	A 19 19 19 19
Light source color	840 neutral white	Appro
Optic type	High-rack optic	Ingress
Optical cover type	Polycarbonate bowl/cover	Mech. ii
Luminaire light beam spread	16° × 47°	Protect
Unified glare rating CEN	Not applicable	
o		Initial
Operating and Electrical		Lumino
Input Voltage	220-240 V	Initial c
Line Frequency	50 to 60 Hz	Power
Inrush current	4.8 A	
Inrush time	2.3 ms	Over T
Power Consumption	110 W	Control
Power Factor (Fraction)	0.9	life 500
Connection	External connector	Contro
Cable	Cord with plug Wieland/Adels compatible 5-	life 100
	pole	Lumen
Number of products on MCB of 16 A type	12	50000
В		Lumen
		10000
Temperature		
Ambient temperature range	-30 to +45 °C	Applic
		Perform
Controls and Dimming		Maxim
Dimmable	Yes	Suitabl
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Produ
Constant light output	No	Order p
		Full pro
Mechanical and Housing		Full pro
Housing Material	Aluminum	Order o
Reflector material	-	Materia
Optic material	Acrylate	Numer
Optical cover material	Polymethyl methacrylate	EAN/U
Fixation material	Stainless steel	Numera
Housing Color	Silver	EAN/U
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*	270
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No
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Product Data	
Order product name	BY471P GRN170S/840 PSD HRO PC SI
Full product name	BY471P GRN170S/840 PSD HRO PC SI
Full product code	871869632273400
Order code	32273400
Material Nr. (12NC)	910930206033
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322734
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322734

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Dimensional drawing





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