PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD NB PC SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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	Unit
Gear	EB [Electronic]
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance
	paper 'Evaluating performance of LED based
	luminaires – January 2018': statistically there
	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median

	useful life (B50) value also represents the
	B10 value.
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 Colour Temperature	4000 K

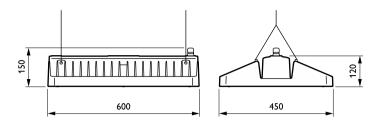
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Luminous efficacy (rated) (nom.)	155 lm/W	Overall height
Colour rendering index (CRI)	≥80	Dimensions (heig
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approval and
Optic type	Narrow beam	Ingress protectio
Optical cover type	Polycarbonate bowl/cover	Mech. impact pro
Luminaire light beam spread	26° x 31°	Protection class
Unified Glare Rating (CEN)	19	
		Initial Perform
Operating and Electrical		Luminous flux to
Input Voltage	220-240 V	Initial chromatici
Line Frequency	50 to 60 Hz	Power consumpt
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Per
Power Consumption	110 W	Control gear fail
Power Factor (Fraction)	0.9	life 50,000 h
Connection	External connector	Control gear fail
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h
	pole	Lumen maintena
Number of products on MCB of 16 A type	12	50,000 h
В		Lumen maintena
		100,000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Co
		Performance am
Controls and Dimming		Maximum dim le
Dimmable	Yes	Suitable for rand
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product Data
Constant light output	No	Order product na
		Full product nam
Mechanical and Housing		Full EOC
Housing material	Aluminium	Order code
Reflector material	-	Material no. (12 M
Optic material	Acrylate	SAP numerator -
Optical cover/lens material	Polymethyl methacrylate	EAN/UPC - Proc
Fixation material	Stainless steel	Numerator – pac
Housing Colour	Silver	EAN/UPC - Case
Optical cover/lens 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 50,000 h		
Control gear failure rate at median useful	10 %	
life 100,000 h		
Lumen maintenance at median useful life*	L85	
50,000 h		
Lumen maintenance at median useful life*	L70	
100,000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY471P GRN170S/840 PSD NB PC SI	
Full product name	BY471P GRN170S/840 PSD NB PC SI	
Full EOC	871869632272700	
Order code	32272700	
Material no. (12 NC)	910930206032	
SAP numerator - quantity per pack	1	
EAN/UPC — Product/Case	8718696322727	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718696322727	

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Dimensional drawing





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