PHILIPS Lighting



GentleSpace gen2

BY471P GRN170S/840 PSD HRO GC BR SI

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

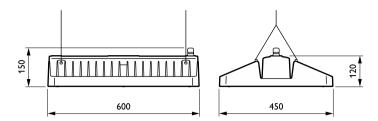
	useful life (B50) value also represents the	
	B10 value.	
Product family code	BY471P [GentleSpace 2]	
Lighting Technology	LED	
Embedded control	-	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on easily flammable surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 850 °C, 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	150 mm
Colour rendering index (CRI)	≥80	Dimensions (height x width x depth)	150 x 450 x 600 mm
Beam angle of light source	114 degree(s)		
Light source colour	840 neutral white	Approval and Application	
Optic type	High-rack optic	Ingress protection code	IP65 [Dust penetration-protected, jet-proc
Optical cover type	Clear glass	Mech. impact protection code	IK07 [2 J reinforced]
Luminaire light beam spread	16° x 47°	Protection class IEC	Safety class I
Unified Glare Rating (CEN)	Not applicable		
		Initial Performance (IEC Compliant)	
Operating and Electrical		Luminous flux tolerance	+/-7%
Input Voltage	220-240 V	Initial chromaticity	(0.38, 0.38) SDCM <3
Line Frequency	50 to 60 Hz	Power consumption tolerance	+/-11%
Inrush current	4.8 A		
Inrush time	2.3 ms	Over Time Performance (IEC Compli	ant)
Power Consumption	110 W	Control gear failure rate at median useful	5 %
Power Factor (Fraction)	0.9	life 50,000 h	
Connection	External connector	Control gear failure rate at median useful	10 %
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h	
	pole	Lumen maintenance at median useful	L85
Number of products on MCB of 16 A type	e 12	life* 50,000 h	
В		Lumen maintenance at median useful	L70
		life* 100,000 h	
Temperature			
Ambient temperature range	-30 to +45 °C	Application Conditions	
		Performance ambient temperature Tq	25 °C
Controls and Dimming		Maximum dim level	10%
Dimmable	Yes	Suitable for random switching	No
Driver/power unit/transformer	Power supply unit with DALI interface		
Control interface	DALI	Product Data	
Constant light output	No	Order product name	BY471P GRN170S/840 PSD HRO GC BR SI
		Full product name	BY471P GRN170S/840 PSD HRO GC BR SI
Mechanical and Housing		Full EOC	871869632196600
Housing material	Aluminium	Order code	32196600
Reflector material	-	Material no. (12 NC)	910930205955
Optic material	Acrylate	SAP numerator – quantity per pack	1
Optical cover/lens material	Glass	EAN/UPC — Product/Case	8718696321966
Fixation material	Steel	Numerator – packs per outer box	1
Housing Colour	Silver	EAN/UPC - Case	8718696321966
Optical cover/lens finish	Clear		
Overall length	600 mm		
Overall width	450 mm		

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Dimensional drawing





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