



GentleSpace gen2

BY471P GRN170S/840 PSD A50 PC MBW SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, 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

Datasheet, 2023, April 29 data subject to change

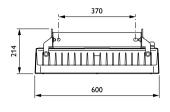
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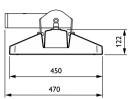
Light Technical		Overall length	600 mm
Luminous Flux	17,000 lm	Overall width	450 mm
Correlated Color Temperature (Nom)	4000 K	Overall height	150 mm
Luminous Efficacy (rated) (Nom)	155 lm/W	Dimensions (Height x Width x Depth)	150 x 450 x 600 mm
Color rendering index (CRI)	≥80		
Number of light sources	12	Approval and Application	
Beam angle of light source	114 degree(s)	Ingress protection code	IP65 [Dust penetration-protected, jet-proof
Light source color	840 neutral white	Mech. impact protection code	IK07 [2 J reinforced]
Optic type	Asymmetrical mirror axis angle 50°	Protection class IEC	Safety class I
Optical cover type	Polycarbonate bowl/cover		
Luminaire light beam spread	56° x 33°	Initial Performance (IEC Compliant)	
Unified glare rating CEN	Not applicable	Luminous flux tolerance	+/-7%
		Initial chromaticity	(0.38, 0.38) SDCM <3
Operating and Electrical		Power consumption tolerance	+/-11%
Input Voltage	220-240 V		
Line Frequency	50 to 60 Hz	Over Time Performance (IEC Compli	ant)
Inrush current	4.8 A	Control gear failure rate at median useful	5 %
Inrush time	2.3 ms	life 50000 h	
Power Consumption	110 W	Control gear failure rate at median useful	10 %
Power Factor (Fraction)	0.9	life 100000 h	
Connection	External connector	Lumen maintenance at median useful	L85
Cable	Cord with plug Wieland/Adels compatible 5-	life* 50000 h	
	pole	Lumen maintenance at median useful	L70
Number of products on MCB of 16 A type	12	life* 100000 h	
В			
		Application Conditions	
Temperature		Performance ambient temperature Tq	25 ℃
Ambient temperature range	-30 to +45 °C	Maximum dim level	10%
		Suitable for random switching	Yes
Controls and Dimming			
Dimmable	Yes	Product Data	
Driver/power unit/transformer	Power supply unit with DALI interface	Order product name	BY471P GRN170S/840 PSD A50 PC MBW SI
Control interface	DALI	Full product name	BY471P GRN170S/840 PSD A50 PC MBW SI
Constant light output	No	Full product code	871869634601300
		Order code	34601300
Mechanical and Housing		Material Nr. (12NC)	910925863188
Housing Material	Aluminum	Numerator - Quantity Per Pack	1
Reflector material	-	EAN/UPC - Product/Case	8718696346013
Optic material	Acrylate	Numerator - Packs per outer box	1
Optical cover material	Polymethyl methacrylate	EAN/UPC - Case	8718696346013
Fixation material	Steel		
Housing Color	Silver		
Housing Color	311761		

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Dimensional drawing









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