



GentleSpace gen2

BY471P GRN170S/840 PSD A50 G MBW SI

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

Datasheet, 2023, April 29 data subject to change

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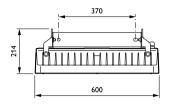
Luminous efficacy (rated) (nom.)	155 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Asymmetrical mirror axis angle 50°
Optical cover type	Glass
Luminaire light beam spread	56° x 33°
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	110 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5
	pole
Number of products on MCB of 16 A type B	12
Temperature	
Ambient temperature range	-30 to +45 °C
6 1 1 15: :	
Controls and Dimming	
Dimmable	
Driver/power unit/transformer	Yes
	Power supply unit with DALI interface
Control interface	Power supply unit with DALI interface DALI
Control interface Constant light output	Power supply unit with DALI interface
	Power supply unit with DALI interface DALI
Constant light output	Power supply unit with DALI interface DALI
Constant light output Mechanical and Housing	Power supply unit with DALI interface DALI No
Constant light output Mechanical and Housing Housing material	Power supply unit with DALI interface DALI No
Mechanical and Housing Housing material Reflector material	Power supply unit with DALI interface DALI No Aluminium
Mechanical and Housing Housing material Reflector material Optic material	Power supply unit with DALI interface DALI No Aluminium - Acrylate
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	Power supply unit with DALI interface DALI No Aluminium - Acrylate Glass
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	Power supply unit with DALI interface DALI No Aluminium - Acrylate Glass Steel
Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	Power supply unit with DALI interface DALI No Aluminium - Acrylate Glass Steel Silver

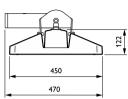
Overall height	150 mm	
Dimensions (height x width x depth)	150 x 450 x 600 mm	
Approval and Application		
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]	
Mech. impact protection code	IK07 [2 J reinforced]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
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	L85	
life* 50,000 h		
Lumen maintenance at median useful	L70	
life* 100,000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	10%	
Suitable for random switching	Yes	
Product Data		
Order product name	BY471P GRN170S/840 PSD A50 G MBW SI	
Full product name	BY471P GRN170S/840 PSD A50 G MBW SI	
Full EOC	871869634593100	
Order code	34593100	
Material no. (12 NC)	910925863180	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696345931	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718696345931	

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Dimensional drawing









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