



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW SI SWP

GentleSpace 2, LED GreenLine system flux 25000 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	GRN250S [LED GreenLine system flux 25000
	lm]
Cap base	- [-]
Light source replaceable	Yes
Number of gear units	2 units
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	25,000 lm
Correlated Colour Temperature	4000 K

Datasheet, 2023, April 29 data subject to change

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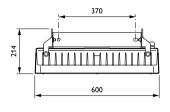
Luminous efficacy (rated) (nom.)	152 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source Light source colour	114 degree(s)
	840 neutral white
Optic type	Asymmetrical mirror axis angle 50°
Optical cover type	Glass
Luminaire light beam spread	56° x 33°
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	164 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-
Capic	pole
Number of products on MCB of 16 A type	
B	
Temperature	
Ambient temperature range	-30 to +45 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Silver
Optical cover/lens finish	Clear
Overall length	600 mm
Overall length Overall width	600 mm 450 mm

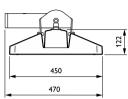
Dimensions (height x width x depth)	150 x 450 x 600 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Compli	ant)
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 ℃
Maximum dim level	10%
Suitable for random switching	Yes
Product Data	
Order product name	BY471P GRN250S/840 PSD A50 G MBW SI
	SWP
Full product name	BY471P GRN250S/840 PSD A50 G MBW SI
	SWP
Full EOC	871869634596200
Order code	34596200
Material no. (12 NC)	910925863183
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696345962
Numerator – packs per outer box	1
EAN/UPC - Case	8718696345962

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Dimensional drawing









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