



GentleSpace gen2

BY471P GRN250S/840 PSD A50 PC MBW WH

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, Polycarbonate bowl/cover, White

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]		useful life (B50) value also represents the B10 value.
Cap base	- [-]	Product family code	BY471P [GentleSpace 2]
Light source replaceable	Yes	Lighting Technology	LED
Number of gear units	2 units	Embedded control	-
Gear	EB [Electronic]	CE mark	Yes
Driver included	Yes	Warranty period	5 years
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	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		

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Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	152 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	Polycarbonate bowl/cover
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-pole
Number of products on MCB of 16 A type B	6

Temperature

Ambient temperature range	–30 to +45 °C
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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	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
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 life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

Product Data

Order product name	BY471P GRN250S/840 PSD A50 PC MBW WH
Full product name	BY471P GRN250S/840 PSD A50 PC MBW WH
Full EOC	871869634604400
Order code	34604400
Material no. (12 NC)	910925863191
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696346044
Numerator – packs per outer box	1
EAN/UPC - Case	8718696346044

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Dimensional drawing

