



GentleSpace gen2

BY471P GRN250S/840 PSD NB PC BR SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow beam, 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	GRN250S [LED GreenLine system flux 25000 lm]	Product family code	BY471P [GentleSpace 2]
Cap base	- [-]	Lighting Technology	LED
Light source replaceable	Yes	Embedded control	-
Number of gear units	2 units	CE mark	Yes
Gear	EB [Electronic]	Warranty period	5 years
Driver included	Yes	Flammability mark	For mounting on easily flammable surfaces
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	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

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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	Narrow beam
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	25° x 30°
Unified Glare Rating (CEN)	19

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	Silver
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	No

Product Data

Order product name	BY471P GRN250S/840 PSD NB PC BR SI
Full product name	BY471P GRN250S/840 PSD NB PC BR SI
Full EOC	871869632218500
Order code	32218500
Material no. (12 NC)	910930205977
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696322185
Numerator – packs per outer box	1
EAN/UPC – Case	8718696322185

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Dimensional drawing

