



# GentleSpace gen2

## BY471P GRN250S/840 PSD A50 PC MBW SI

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, 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]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Cap-Base	- [-]	Service tag	Yes
Light source replaceable	Yes	Product family code	BY471P [GentleSpace 2]
Number of gear units	2 units	Lighting Technology	LED
Gear	EB [Electronic]	Embedded control	-
Driver included	Yes	CE mark	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	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

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<b>Light Technical</b>	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W
Color rendering index (CRI)	≥80
Number of light sources	16
Beam angle of light source	114 degree(s)
Light source color	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
<b>Operating and Electrical</b>	
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
<b>Temperature</b>	
Ambient temperature range	-30 to +45 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
<b>Mechanical and Housing</b>	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	Silver
Optical cover 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
<b>Approval and Application</b>	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I
<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 100000 h	L70
<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes
<b>Product Data</b>	
Order product name	BY471P GRN250S/840 PSD A50 PC MBW SI
Full product name	BY471P GRN250S/840 PSD A50 PC MBW SI
Full product code	871869634602000
Order code	34602000
Material Nr. (12NC)	910925863189
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696346020
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696346020

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### Dimensional drawing

