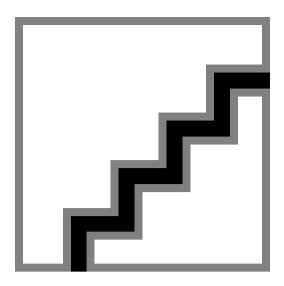
PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW WH

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, Glass, 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 continues to improve even further: an improved total cost of ownership, even in extreme conditions with the the GS-2 Xtreme version, which can be used up to +60 °C or 100,000 hrs of lifetime (L80), both ensured by an integrated over-heat protection. In addition, a wide variety of options – e.g. optics, coatings, mounting possibilities, cover materials and suitable for explosive zones 2/22 – are available to ensure an ideal solution for your application. Additionally, the GentleSpace gen2 can be equipped for use in 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	*-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
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	BY471P [GentleSpace 2]
Lighting Technology	LED
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	Yes

GentleSpace gen2

Embedded control	-
Light Technical	
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	Glass
Luminaire light beam spread	56° x 33°
Unified glare rating CEN	Not applicable

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

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 %

Control gear failure rate at median useful 10 %

Lumen maintenance at median useful

Lumen maintenance at median useful

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	6

D	•	

Temperature

Ambient temperature range

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	

-30 to +45 °C

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	White

life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

L85

L70

Product Data

life 50000 h

life 100000 h

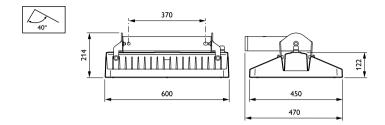
life* 50000 h

Order product name	BY471P GRN250S/840 PSD A50 G MBW WH
Full product name	BY471P GRN250S/840 PSD A50 G MBW WH
Full product code	871869634598600
Order code	910925863185
Material Nr. (12NC)	910925863185
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696345986
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696345986

2

GentleSpace gen2

Dimensional drawing





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