PHILIPS

Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD MB GC SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Clear 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

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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	Medium beam
Optical cover type	Clear glass
Luminaire light beam spread	40° x 40°
Unified Glare Rating (CEN)	25

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

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	Stainless 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

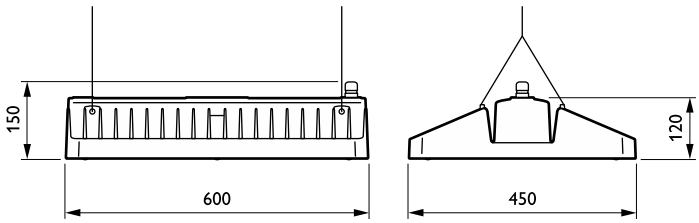
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No

Product Data

Order product name	BY471P GRN250S/840 PSD MB GC SI
Full product name	BY471P GRN250S/840 PSD MB GC SI
Full EOC	871869632200000
Order code	32200000
Material no. (12 NC)	910930205959
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696322000
Numerator – packs per outer box	1
EAN/UPC - Case	8718696322000

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Dimensional drawing



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