PHILIPS Lighting



GentleSpace gen2

BY471P GRN250S/840 PSD A50 G MBW SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 50°, 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
	example, the bio. mererore, 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

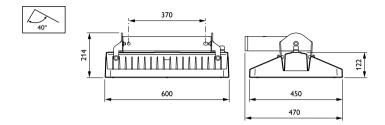
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Luminous efficacy (rated) (nom.)	152 lm/W	Overall
Colour rendering index (CRI)	≥80	Dimensi
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approv
Optic type	Asymmetrical mirror axis angle 50°	Ingress
Optical cover type	Glass	Mech. in
Luminaire light beam spread	56° x 33°	Protecti
Unified Glare Rating (CEN)	Not applicable	
		Initial I
Operating and Electrical		Lumino
Input Voltage	220-240 V	Initial cl
Line Frequency	50 to 60 Hz	Power of
Inrush current	9.6 A	
Inrush time	2.3 ms	Over T
Power Consumption	164 W	Control
Power Factor (Fraction)	0.9	life 50,0
Connection	External connector	Control
Cable	Cord with plug Wieland/Adels compatible 5-	life 100
	pole	Lumen i
Number of products on MCB of 16 A type	6	life* 50,
в		Lumen r
		life* 100
Temperature		
Ambient temperature range	-30 to +45 °C	Applic
		Perform
Controls and Dimming		Maximu
Dimmable	Yes	Suitable
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Produc
Constant light output	No	Order p
•••·		Full pro
Mechanical and Housing		Full EO
Housing material	Aluminium	Order co
Reflector material	-	Materia
Optic material	Acrylate	SAP nur
Optical cover/lens material	Glass	EAN/UF
Fixation material	Steel	Numera
Housing Colour	Silver	EAN/UF
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	
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 Devformance (IEC Compliant)	
Initial Performance (IEC Compliant)	. / 70/
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	
•	5 %
life 50,000 h	10 %
Control gear failure rate at median useful	10 %
life 100,000 h	105
Lumen maintenance at median useful	L85
life* 50,000 h	170
Lumen maintenance at median useful	L70
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	Yes
s	
Product Data	
Order product name	BY471P GRN250S/840 PSD A50 G MBW SI
Full product name	BY471P GRN250S/840 PSD A50 G MBW SI
Full EOC	871869634594800
Order code	34594800
Material no. (12 NC)	910925863181
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696345948
Numerator – packs per outer box	1
EAN/UPC - Case	8718696345948

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Dimensional drawing





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