# **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 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
	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

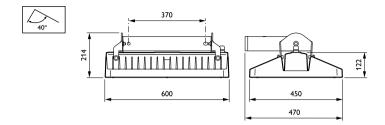
## GentleSpace gen2

Luminous efficacy (rated) (nom.)	152 lm/W	_
Colour rendering index (CRI)	>80	
Beam angle of light source	114 degree(s)	_
	840 neutral white	-
Light source colour Optic type	Asymmetrical mirror axis angle 50°	-
		-
Optical cover type	Glass 56° x 33°	 
Luminaire light beam spread		_
Unified Glare Rating (CEN)	Not applicable	-
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	_
	0.9	Ì
Power Factor (Fraction) Connection	External connector	_
Cable		
Cable	Cord with plug Wieland/Adels compatible 5-	-
Number of supdusts on MCD of 10.4 times	pole	
Number of products on MCB of 16 A type B	6	- - 1
в		
<b>T</b>		_
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	_
	Steel	
Fixation material		
Fixation material Housing Colour	White	I
	White Clear	-
Housing Colour		-

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 Compl	iant)
Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful	L85
life* 50,000 h	
Lumen maintenance at median useful	L70
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes
Product Data	
Order product name	BY471P GRN250S/840 PSD A50 G MBW WH
Full product name	BY471P GRN250S/840 PSD A50 G MBW WH
Full EOC	871869634598600
Order code	34598600
Material no. (12 NC)	910925863185
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696345986
Numerator – packs per outer box	1
EAN/UPC - Case	8718696345986

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#### Dimensional drawing





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