



# GentleSpace gen2

## BY471P GRN170S/840 PSD WB GC BR WH SWP

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, White, Swimming pool protected coating

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

<b>General Information</b>			
Lamp family code	GRN170S [LED GreenLine system flux 17000 lm]		useful life (B50) value also represents the B10 value.
Cap base	- [-]	<b>Product family code</b>	BY471P [GentleSpace 2]
Light source replaceable	Yes	<b>Lighting Technology</b>	LED
Number of gear units	Unit	<b>Embedded control</b>	-
Gear	EB [Electronic]	<b>CE mark</b>	Yes
Driver included	Yes	<b>Warranty period</b>	5 years
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	<b>Flammability mark</b>	For mounting on easily flammable surfaces
		<b>ENEC mark</b>	ENEC mark
		<b>Glow-wire test</b>	Temperature 850 °C, duration 5 s
		<b>EU RoHS compliant</b>	Yes
		<b>Light Technical</b>	
		<b>Luminous Flux</b>	17,000 lm
		<b>Correlated Colour Temperature</b>	4000 K

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Luminous efficacy (rated) (nom.)	155 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Wide beam
Optical cover type	Clear glass
Luminaire light beam spread	44° x 42°
Unified Glare Rating (CEN)	25

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	110 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	12

### Temperature

Ambient temperature range	-30 to +45 °C
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### 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	Steel
Housing Colour	White
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
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### 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 GRN170S/840 PSD WB GC BR WH SWP
Full product name	BY471P GRN170S/840 PSD WB GC BR WH SWP
Full EOC	871869632252900
Order code	32252900
Material no. (12 NC)	910930206012
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696322529
Numerator – packs per outer box	1
EAN/UPC - Case	8718696322529

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### Dimensional drawing

