# **PHILIPS** Lighting



# GentleSpace gen2

# BY471P GRN170S/840 PSD WB PC BR SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, Polycarbonate bowl/cover, 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 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	GRN170S [LED GreenLine system flux 17000
	lm]
Cap-Base	- [-]
Light source replaceable	Yes
Number of gear units	1 unit
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	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 lm/W
Color rendering index (CRI)	≥80
Number of light sources	12
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover
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	12
В	
	-

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

-30 to +45 °C

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	Silver

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 Compl	iant)	
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Luminous flux tolerance	+/-/%
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 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L85
50000 h	
Lumen maintenance at median useful life*	L70
100000 h	

Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No

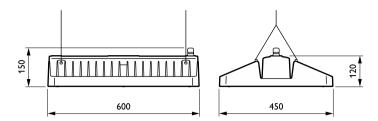
#### Product Data

Troduct Data	
Order product name	BY471P GRN170S/840 PSD WB PC BR SI
Full product name	BY471P GRN170S/840 PSD WB PC BR SI
Full product code	871869632212300
Order code	910930205971
Material Nr. (12NC)	910930205971
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322123
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322123

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## GentleSpace gen2

#### Dimensional drawing





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