# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN170S/840 PSD-CLO MB GC SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface and constant light output, 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 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	Medium beam
Optical cover type	Clear glass
Luminaire light beam spread	40° x 40°
Unified glare rating CEN	25

#### **Operating and Electrical**

220-240 V
50 to 60 Hz
88 W
99 W
4.8 A
2.3 ms
110 W
0.9
External connector
Cord with plug Wieland/Adels compatible 5-
pole
12

-30 to +45 ℃

Yes

r ixation material	Staintess steet	
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 Compliant)		
Luminous flux tolerance	+/-7%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-11%	
Over Time Performance (IEC Compli	iant)	
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	L85	
life* 50000 h		
Lumen maintenance at median useful	L70	
life* 100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	10%	
Suitable for random switching	No	
Product Data		
Order product name	BY471P GRN170S/840 PSD-CLO MB GC SI	
Full product name	BY471P GRN170S/840 PSD-CLO MB GC SI	
Full product code	871869632259800	

Stainless steel

Fixation material

Driver/power unit/transformer	Power supply unit with DALI interface and	Full product name
	constant light output	Full product code
Control interface	DALI	Order code
Constant light output	Programmable	Material Nr. (12NC)
		Numerator - Quantity Per Pack
Mechanical and Housing		EAN/UPC - Product/Case
Housing Material	Aluminum	Numerator - Packs per outer box
Reflector material	-	EAN/UPC - Case
Optic material	Acrylate	
Optical cover material	Glass	

Order product name	BY471P GRN170S/840 PSD-CLO MB GC SI
Full product name	BY471P GRN170S/840 PSD-CLO MB GC SI
Full product code	871869632259800
Order code	910930206019
Material Nr. (12NC)	910930206019
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696322598
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696322598

Dimmable

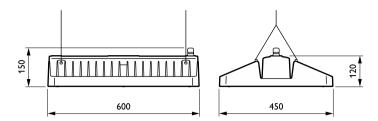
Controls and Dimming

Temperature

в

## GentleSpace gen2

#### Dimensional drawing





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