# **PHILIPS** Lighting



# **GentleSpace gen2**

## BY471P GRN250S/840 PSD-CLO MB GC BR SI S

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface and constant light output, Medium beam, Silver, 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

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	*-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
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

# GentleSpace gen2

Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W
Color rendering index (CRI)	≥80
Number of light sources	16
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

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 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 ℃

Ferformance ambient temperature rq	25 C
Maximum dim level	10%
Suitable for random switching	No

#### **Product Data**

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Order product name	BY471P GRN250S/840 PSD-CLO MB GC BR
	SI S
Full product name	BY471P GRN250S/840 PSD-CLO MB GC BR
	SI S
Full product code	871869632301400
Order code	32301400
Material Nr. (12NC)	910930206061
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696323014
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696323014

#### **Operating and Electrical** In much Malda

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	131 W
Average CLO power consumption	148 W
Inrush current	9.6 A
Inrush time	2.3 ms
Power Consumption	164 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-
	pole

-30 to +45 °C

Number of products on MCB of 16 A type 6

#### в

Temperature

Ambient temperature range

Controls and Dimm	
	n

Controls and Dimming

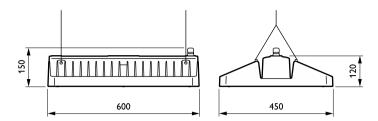
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface and
	constant light output
Control interface	DALI
Constant light output	Programmable

# Mechanical and Housing

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Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Silver

### GentleSpace gen2

#### Dimensional drawing





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