# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN250S/840 PSD MB GC BR SI

GentleSpace 2, LED GreenLine system flux 25000 lm, 840 neutral white, Power supply unit with DALI interface, 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 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
Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	152 lm/W

## GentleSpace gen2

Color rendering index (CRI)	≥80	Overall hei
Number of light sources	16	Dimension
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval
Optic type	Medium beam	Ingress pro
Optical cover type	Clear glass	Mech. impa
Luminaire light beam spread	40° x 40°	Protection
Unified glare rating CEN	25	
		Initial Per
Operating and Electrical		Luminous f
Input Voltage	220-240 V	Initial chro
Line Frequency	50 to 60 Hz	Power con
Inrush current	9.6 A	
Inrush time	2.3 ms	Over Tim
Power Consumption	164 W	Control gea
Power Factor (Fraction)	0.9	life 50000
Connection	External connector	Control gea
Cable	Cord with plug Wieland/Adels compatible 5-	life 10000
	pole	Lumen mai
Number of products on MCB of 16 A type	6	life* 5000
В		Lumen mai
		life* 10000
Temperature		
Ambient temperature range	-30 to +45 °C	Applicati
		Performan
Controls and Dimming		Maximum
Dimmable	Yes	Suitable fo
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product [
Constant light output	No	Order prod
		Full produc
Mechanical and Housing		Full produc
Housing Material	Aluminum	Order code
Reflector material	-	Material N
Optic material	Acrylate	Local orde
Optical cover material	Glass	Numerator

Steel

Silver

Clear

600 mm

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	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 GRN250S/840 PSD MB GC BR SI	
Full product name	BY471P GRN250S/840 PSD MB GC BR SI	
Full product code	871869632204800	
Order code	910930205963	
Material Nr. (12NC)	910930205963	
Local order code	BY471P2504KDMBR	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696322048	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696322048	

Fixation material

Optical cover finish

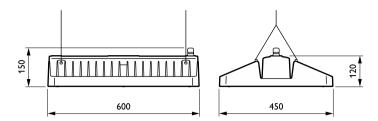
Housing Color

Overall length

Overall width

## GentleSpace gen2

#### Dimensional drawing





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