# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN170S/840 PSD MB GC BR WH

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Clear glass, White

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	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
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	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	155 lm/W

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Color rendering index (CRI)	≥80	Overall height
Number of light sources	12	Dimensions (Height x Width x Depth)
Beam angle of light source	114 degree(s)	
Light source color	840 neutral white	Approval and Application
Optic type	Medium beam	Ingress protection code
Optical cover type	Clear glass	Mech. impact protection code
Luminaire light beam spread	40° x 40°	Protection class IEC
Unified glare rating CEN	25	
		Initial Performance (IEC Complian
Operating and Electrical		Luminous flux tolerance
Input Voltage	220-240 V	Initial chromaticity
Line Frequency	50 to 60 Hz	Power consumption tolerance
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time Performance (IEC Com
Power Consumption	110 W	Control gear failure rate at median use
Power Factor (Fraction)	0.9	life 50000 h
Connection	External connector	Control gear failure rate at median use
Cable	Cord with plug Wieland/Adels compatible 5-	life 100000 h
	pole	Lumen maintenance at median useful l
Number of products on MCB of 16 A type	12	50000 h
В		Lumen maintenance at median useful l
		100000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conditions
		Performance ambient temperature Tq
Controls and Dimming		Maximum dim level
Dimmable	Yes	Suitable for random switching
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product Data
Constant light output	No	Order product name
		Full product name
Mechanical and Housing		Full product code
Housing Material	Aluminum	Order code
Reflector material	-	Material Nr. (12NC)
Optic material	Acrylate	Numerator - Quantity Per Pack
Optical cover material	Glass	EAN/UPC - Product/Case
Fixation material	Steel	Numerator - Packs per outer box
Housing Color	White	EAN/UPC - Case
Optical cover finish	Clear	
Overall length	600 mm	
Overall width	450 mm	

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 °C		
Maximum dim level	10%		
Suitable for random switching	No		
Product Data			
Order product name	BY471P GRN170S/840 PSD MB GC BR WH		
Full product name	BY471P GRN170S/840 PSD MB GC BR WH		
Full product code	871869632239000		
Order code	32239000		
Material Nr. (12NC)	910930205998		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718696322390		
Numerator - Packs per outer box	1		
EAN/UPC - Case	8718696322390		

150 mm

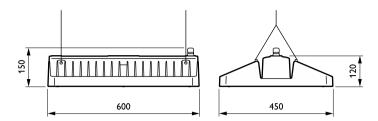
150 x 450 x 600 mm

IK07 [2 J reinforced]

IP65 [Dust penetration-protected, jet-proof]

## GentleSpace gen2

#### Dimensional drawing





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