# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN170S/840 PSD WB GC BR WH

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide 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	Unit	
Gear	EB [Electronic]	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance	
	paper 'Evaluating performance of LED based	
	luminaires – January 2018': statistically there	
	is no relevant difference in lumen	
	maintenance between the B50 and, for	
	example, the B10. Therefore, the median	

	useful life (B50) value also represents the	
	B10 value.	
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 Colour Temperature	4000 K	

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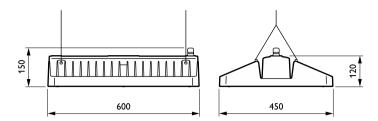
Luminous officacy (rated) (nom)	155 lm/W	Overall height
Luminous efficacy (rated) (nom.)	·	
Colour rendering index (CRI)	≥80	Dimensions (height x width x depth)
Beam angle of light source	114 degree(s)	Approval and Application
Light source colour	840 neutral white	Approval and Application
Optic type	Wide beam	Ingress protection code
Optical cover type	Clear glass	Mech. impact protection code
Luminaire light beam spread	44° x 42°	Protection class IEC
Unified Glare Rating (CEN)	25	
		Initial Performance (IEC Complia
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 Co
Power Consumption	110 W	Control gear failure rate at median us
Power Factor (Fraction)	0.9	life 50,000 h
Connection	External connector	Control gear failure rate at median us
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000 h
	pole	Lumen maintenance at median usefu
Number of products on MCB of 16 A type	12	life* 50,000 h
В		Lumen maintenance at median usefu
		life* 100,000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Application Conditions
		Performance ambient temperature To
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 EOC
Housing material	Aluminium	Order code
Reflector material	-	Material no. (12 NC)
Optic material	Acrylate	SAP numerator – quantity per pack
Optical cover/lens material	Glass	EAN/UPC — Product/Case
Fixation material	Steel	Numerator – packs per outer box
Housing Colour	White	EAN/UPC - Case
	Clear	
Optical cover/lens finish		
Overall length	600 mm	
Overall width	450 mm	

Overall height	150 11111			
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 50,000 h				
Control gear failure rate at median useful	10 %			
life 100,000 h				
Lumen maintenance at median useful	L85			
life* 50,000 h				
Lumen maintenance at median useful	L70			
life* 100,000 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 WB GC BR WH			
Full product name	BY471P GRN170S/840 PSD WB GC BR WH			
Full EOC	871869632238300			
Order code	32238300			
Material no. (12 NC)	910930205997			
SAP numerator – quantity per pack	1			
EAN/UPC — Product/Case	8718696322383			
Numerator – packs per outer box	1			
EAN/UPC - Case	8718696322383			

150 mm

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#### Dimensional drawing





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