# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P GRN170S/840 PSD NB GC BR SI

GentleSpace 2, LED GreenLine system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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	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

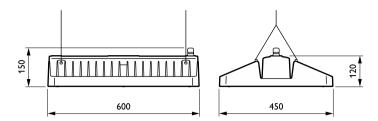
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Luminous efficacy (rated) (nom.)	155 lm/W	Overall heig
Colour rendering index (CRI)	≥80	Dimensions
Beam angle of light source	114 degree(s)	
Light source colour	840 neutral white	Approval a
Optic type	Narrow beam	Ingress prot
Optical cover type	Clear glass	Mech. impa
Luminaire light beam spread	26° x 31°	Protection c
Unified Glare Rating (CEN)	19	
		<b>Initial Perf</b>
Operating and Electrical		Luminous fl
Input Voltage	220-240 V	Initial chrom
Line Frequency	50 to 60 Hz	Power cons
Inrush current	4.8 A	
Inrush time	2.3 ms	Over Time
Power Consumption	110 W	Control gea
Power Factor (Fraction)	0.9	life 50,000
Connection	External connector	Control gea
Cable	Cord with plug Wieland/Adels compatible 5-	life 100,000
	pole	Lumen main
Number of products on MCB of 16 A type	12	50,000 h
В		Lumen main
		100,000 h
Temperature		
Ambient temperature range	-30 to +45 °C	Applicatio
		Performance
Controls and Dimming		Maximum d
Dimmable	Yes	Suitable for
Driver/power unit/transformer	Power supply unit with DALI interface	
Control interface	DALI	Product D
Constant light output	No	Order produ
		Full product
Mechanical and Housing		Full EOC
Housing material	Aluminium	Order code
Reflector material	-	Material no.
Optic material	Acrylate	SAP numera
Optical cover/lens material	Glass	EAN/UPC -
Fixation material	Steel	Numerator -
Housing Colour	Silver	EAN/UPC -
Optical cover/lens finish	Clear	
Overall length	600 mm	
Overall width	450 mm	
overall width		

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	ant)
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 life*	L85
50,000 h	
Lumen maintenance at median useful life*	L70
100,000 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 NB GC BR SI
Full product name	BY471P GRN170S/840 PSD NB GC BR SI
Full EOC	871869632195900
Order code	32195900
Material no. (12 NC)	910930205954
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696321959
Numerator – packs per outer box	1
EAN/UPC - Case	8718696321959

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#### Dimensional drawing





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