



GentleSpace gen2

BY471P PRO170S/840 PSD VNB GC SMT-HD SI

GentleSpace 2, LED ProfessionalLine, system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Extra 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 continues to improve even further: an improved total cost of ownership, even in extreme conditions with the the GS-2 Xtreme version, which can be used up to +60 °C or 100,000 hrs of lifetime (L80), both ensured by an integrated over-heat protection. In addition, a wide variety of options – e.g. optics, coatings, mounting possibilities, cover materials and suitable for explosive zones 2/22 – are available to ensure an ideal solution for your application. Additionally, the GentleSpace gen2 can be equipped for use in a central emergency grid (PSED).

Product data

General Information			
Lamp family code	PRO170S [LED ProfessionalLine, system flux 17000 lm]	maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Cap-Base	- [-]	Service tag	Yes
Light source replaceable	Yes	Product family code	BY471P [GentleSpace 2]
Number of gear units	1 unit	Lighting Technology	LED
Gear	EB [Electronic]	Glow-wire test	Temperature 650 °C, duration 5 s
Driver included	Yes	Flammability mark	For mounting on easily flammable surfaces
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen	CE mark	Yes
		ENEC mark	ENEC mark
		Warranty period	5 years
		EU RoHS compliant	Yes

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Embedded control	-
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Light Technical

Luminous Flux	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color rendering index (CRI)	≥80
Number of light sources	12
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Extra narrow beam
Optical cover type	Clear glass
Luminaire light beam spread	16°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220–240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power Consumption	128 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-pole

Number of products on MCB of 16 A type B 12

Temperature

Ambient temperature range	-30 to +60 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Silver
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 life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L95
Lumen maintenance at median useful life* 100000 h	L85

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	No

Product Data

Order product name	BY471P PRO170S/840 PSD VNB GC SMT-HD SI
Full product name	BY471P PRO170S/840 PSD VNB GC SMT-HD SI
Full product code	871869634830700
Order code	910925863420
Material Nr. (12NC)	910925863420
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696348307
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696348307

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Dimensional drawing

