GentleSpace gen2

BY471P PRO170S/840 PSD WB GC SMT-HD SI X

GentleSpace 2, LED ProfessionalLine, system flux 17000 lm, 840 neutral white, Power supply unit with DALI interface, Wide 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	PRO170S [LED ProfessionalLine, 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 650 °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)	123 lm/W

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Color rendering index (CRI)	≥80	Dimensions (Height x Width x Depth)	150 x 450 x 600 mm
Number of light sources	12		
Beam angle of light source	114 degree(s)	**Approval and Application**	
Light source color	840 neutral white	Ingress protection code	IP65 [Dust penetration–protected, jet–proof]
Optic type	Wide beam	Mech. impact protection code	IK07 [2 J reinforced]
Optical cover type	Clear glass	Protection class IEC	Safety class I
Luminaire light beam spread	44° x 42°		
Unified glare rating CEN	25	**Initial Performance (IEC Compliant)**	
		Luminous flux tolerance	+/-7%
Operating and Electrical		Initial chromaticity	(0.38, 0.38) SDCM <3
Input Voltage	220–240 V	Power consumption tolerance	+/–11%
Line Frequency	50 to 60 Hz		
Inrush current	4.8 A	**Over Time Performance (IEC Compliant)**	
Inrush time	2.3 ms	Control gear failure rate at median useful life 50000 h	5 %
Power Consumption	128 W	Control gear failure rate at median useful life 100000 h	10 %
Power Factor (Fraction)	0.9	Lumen maintenance at median useful life* 50000 h	L95
Connection	External connector	Lumen maintenance at median useful life* 100000 h	L85
Cable	Cord with plug Wieland/Adels compatible 5-pole		
Number of products on MCB of 16 A type B	12	**Application Conditions**	
		Performance ambient temperature Tq	25 °C
Temperature		Maximum dim level	10%
Ambient temperature range	–30 to +60 °C	Suitable for random switching	No
Controls and Dimming		**Product Data**	
Dimmable	Yes	Order product name	BY471P PRO170S/840 PSD WB GC SMT–HD SI X
Driver/power unit/transformer	Power supply unit with DALI interface	Full product name	BY471P PRO170S/840 PSD WB GC SMT–HD SI X
Control interface	DALI	Full product code	871869634827700
Constant light output	No	Order code	910925863417
		Material Nr. (12NC)	910925863417
Mechanical and Housing		Numerator – Quantity Per Pack	1
Housing Material	Aluminum	EAN/UPC – Product/Case	8718696348277
Reflector material	–	Numerator – Packs per outer box	1
Optic material	Polycarbonate	EAN/UPC – Case	8718696348277
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		

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change