# **PHILIPS** Lighting



# **GentleSpace gen2**

# BY471P PRO170S/840 PSD NB GC SMT-HD SI X

GentleSpace 2, LED ProfessionalLine, 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	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

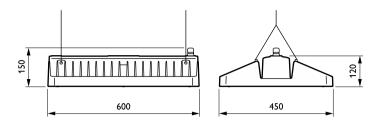
## GentleSpace gen2

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	Narrow beam
Optical cover type	Clear glass 26° x 31°
Luminaire light beam spread	19
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	2.3 ms 128 W
Power Consumption Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-
cusic	pole
	pore
Number of products on MCR of 16 A type	12
	12
	12
B	12
B	12 -30 to +60 °C
B	
B Temperature Ambient temperature range	
B Temperature Ambient temperature range Controls and Dimming	
B Temperature Ambient temperature range Controls and Dimming Dimmable	-30 to +60 °C
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	-30 to +60 °C Yes
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	-30 to +60 °C Yes Power supply unit with DALI interface
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-30 to +60 °C Yes Power supply unit with DALI interface DALI
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B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material	-30 to +60 °C Yes Power supply unit with DALI interface DALI No
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material	-30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum -
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	-30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material	-30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material	-30 to +60 °C  Yes  Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish	-30 to +60 °C Yes Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver Clear
B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color	-30 to +60 °C  Yes  Power supply unit with DALI interface DALI No Aluminum - Polycarbonate Glass Stainless steel Silver

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 Complia	ant)
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*	L95
50000 h	
Lumen maintenance at median useful life*	L85
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	10%
Suitable for random switching	No
Product Data	
Order product name	BY471P PRO170S/840 PSD NB GC SMT-HD
	SI X
Full product name	BY471P PRO170S/840 PSD NB GC SMT-HD
	SIX
Full product code	871869634829100
Order code	34829100
Material Nr. (12NC)	910925863419
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696348291
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696348291

## GentleSpace gen2

#### Dimensional drawing





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