PHILIPS

Lighting



GentleSpace gen2

BY471P PRO170S/840 PSD NB GC SI XT

GentleSpace 2 - LED ProfessionalLine, system flux 17,000 lm - 840 neutral white - Power supply unit with DALI interface - Narrow beam - Clear glass - Silver

Product data

General Information	
Number of light sources	12 [12 pcs]
Lamp family code	LED ProfessionalLine, system flux 17,000 lm
Light source colour	840 neutral white
Cap base	- [-]
Light source replaceable	Yes
Gear	EB [Electronic]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	NB [Narrow beam]
Optical cover/lens type	GC [Clear glass]
Luminaire light beam spread	26° x 31°
Embedded control	No [-]
Connection	CE [External connector]
Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I (I)
Mounting	SMT [Suspension set twin, triangle]
Coating	-
Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark

Ball impact resistance mark	-
Design award-winner marking	Design Award Winner 2014
Suspension accessories	No [-]
Constant light output	No
Product Family Code	BY471P [GentleSpace 2]

Operating and Electrical	
Input voltage	220-240 V
Input frequency	50-60 Hz
Control signal voltage	0-16 V DC DALI

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Housing material	Aluminium
Optic material	Polycarbonate
Optical cover/lens material	Glass
Gear tray material	Metal
Fixation material	Aluminum

GentleSpace gen2

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]

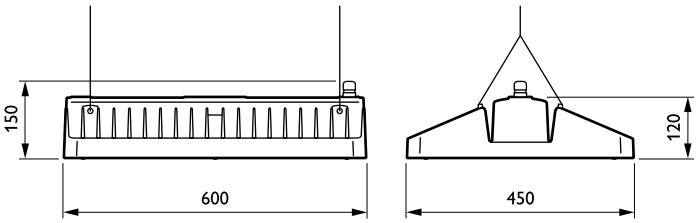
Initial Performance (IEC Compliant)	
Initial luminous flux	17000 lm
Initial LED luminaire efficacy	123 lm/W
Init. Corr. colour temperature	4000 K
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	138 W

Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	0.5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions	
Average ambient temperature	25 °C
Maximum dimming level	1% (depends on dimmer, ELV)
Suitable for random switching	No

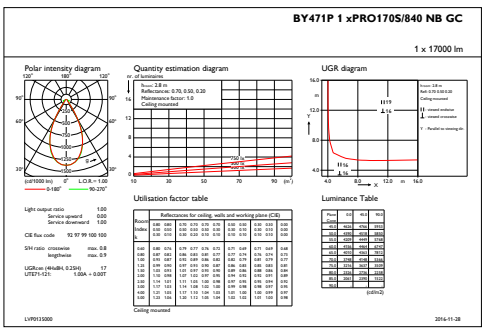
Product Data	
Full product code	871869634829100
Order product name	BY471P PRO170S/840 PSD NB GC SI XT
EAN/UPC – product	8718696348291
Order code	34829100
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925863419
Net weight (piece)	15.200 kg

Dimensional drawing



GentleSpace gen2 BY470P/BY471P

Photometric data



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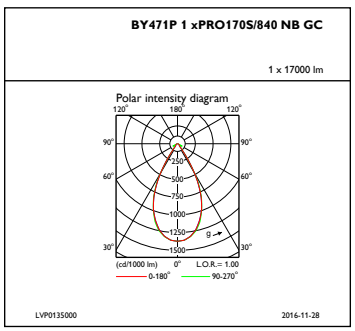

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2017, April 7 - data subject to change