



# GentleSpace Gen3

## BY480P LED170S/840 PSD NBA PC SI

GentleSpace Gen3 - - 840 neutral white - Power supply unit with DALI interface - Wide beam - PMMA bowl/cover - Silver RAL 9006

With the third generation of the GentleSpace high-bay luminaire, we continue to bring innovations to the market by offering adaptable high bay lighting solutions for high ceiling and industrial applications. GentleSpace gen3 offers a wide variety of options in terms of optics and beam angles (from very narrow to wide), a choice of mounting possibilities and cover materials and a variety of lumen packages. This means that GentleSpace gen3 can easily help you create a tailor-made and ideal lighting solution for almost any high ceiling and/or industrial application. It can also support changes in application requirements (such as layout changes) thanks to its flexible optical system, which can be easily adjusted even after installation. In addition, GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to IoT-based systems and software applications such as the Interact Industry. Overall, whether you are looking for a reliable 'fit and forget' solution, or one that can be adapted and controlled after installation, GentleSpace gen3 is the ideal solution for your application.

### Product data

General Information	
Lamp family code	-
Beam angle of light source	114 °
Light source colour	840 neutral white
Cap base	- [-]
Light source replaceable	Yes
Number of gear units	1 unit

Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]
Driver included	Yes
Optic type	WB [ Wide beam]
Optical cover/lens type	PM [ PMMA bowl/cover]
Luminaire light beam spread	-
Control interface	DALI
Connection	CE [ External connector]

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Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I (I)
Glow-wire test	850/5 [ Temperature 850 °C, duration 5 s]
Flammability mark	D [ For mounting on easily flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
UL mark	-
Warranty period	5 years
Constant light output	No
Number of products on MCB (16 A type B)	12
EU RoHS compliant	Yes
Product family code	BY480P [ GentleSpace Gen3]
Unified glare rating CEN	Not applicable

## Operating and Electrical

Input Voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 ms
Power factor (min.)	0.9

## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	460 mm
Overall width	410 mm
Overall height	80 mm
Diameter	-
Colour	Silver RAL 9006
Dimensions (height x width x depth)	80 x 410 x 460 mm (3.1 x 16.1 x 18.1 in)

## Approval and Application

Ingress protection code	IP65 [ Dust penetration-protected, jet- proof]
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Mech. impact protection code	IK08 [ 5 J vandal-protected]
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## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	17000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	142 lm/W
Init. Corr. Colour Temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	120 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

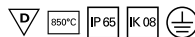
Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

## Application Conditions

Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	45 °C
Maximum dimming level	10%
Suitable for random switching	No

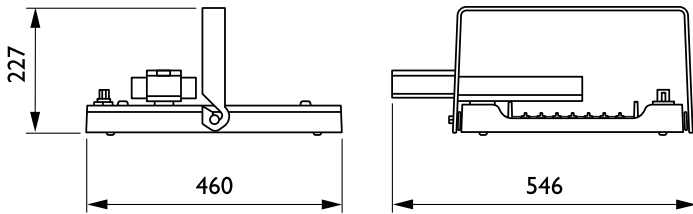
## Product Data

Full product code	871869941470200
Order product name	BY480P LED170S/840 PSD NBA PC SI
EAN/UPC – product	8718699414702
Order code	41470200
SAP numerator – quantity per pack	1
SAP numerator – packs per outer box	1
Material no. (12 NC)	910500465808
SAP net weight (piece)	7.900 kg



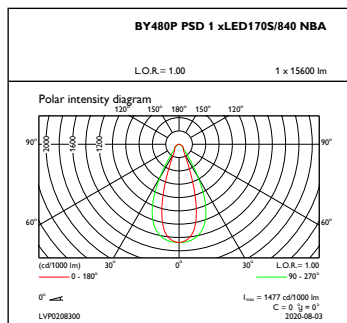
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## Dimensional drawing

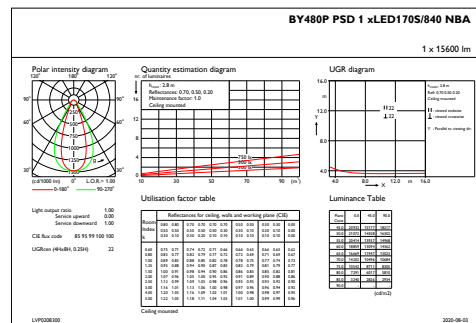


GentleSpace gen3 BY480P-BY483P

## Photometric data



OFPC1\_BY480PPSD1xLED170S840NBA



IFGU1\_BY480PPSD1xLED170S840NBA

