



# GentleSpace Gen3

## BY480P LED170S/840 PSD WB GC WH

New Highbay - 840 neutral white - Power supply unit with DALI interface - Wide beam - White

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 system and software applications such as Interact Industry. Overall, whether you are looking for a reliable “fit & 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		Connection	
Beam angle of light source	114 °	Connection	Plug-in connector 5-pole Wieland/Adels compatible
Light source color	840 neutral white	Cable	Cord with plug Wieland/Adels compatible 5-pole
Light source replaceable	Yes	Protection class IEC	Safety class I
Number of gear units	1 unit	Glow-wire test	Temperature 850 °C, duration 5 s
Driver/power unit/transformer	Power supply unit with DALI interface	Flammability mark	For mounting on easily flammable surfaces
Driver included	Yes	CE mark	CE mark
Optic type	Wide beam	ENEC mark	ENEC mark
Luminaire light beam spread	42° x 44°		
Control interface	DALI		

# GentleSpace Gen3

Warranty period	5 years
Constant light output	No
Number of products on MCB of 16 A type B	12
RoHS mark	RoHS mark
Product family code	BY480P [ New Highbay]
Unified glare rating CEN	24

## 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
----------	-----

## Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	460 mm
Overall width	410 mm
Overall height	80 mm
Color	White

## 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 (system flux)	17000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	142 lm/W

Init. Corr. Color Temperature	4000 K
Init. Color 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	5 %
50000 h	
Median useful life L70B50	100000 h
Median useful life L80B50	100000 h
Median useful life L90B50	50000 h
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	

## Application Conditions

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

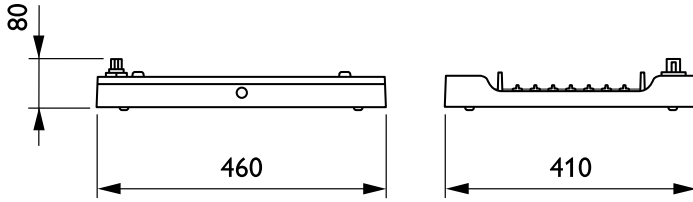
## Product Data

Full product code	871869940775900
Order product name	BY480P LED170S/840 PSD WB GC WH
EAN/UPC - Product	8718699407759
Order code	910500465581
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910500465581
Net Weight (Piece)	7.900 kg



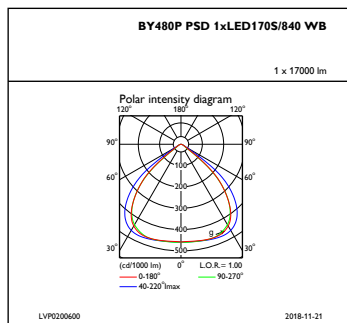
# GentleSpace Gen3

## Dimensional drawing

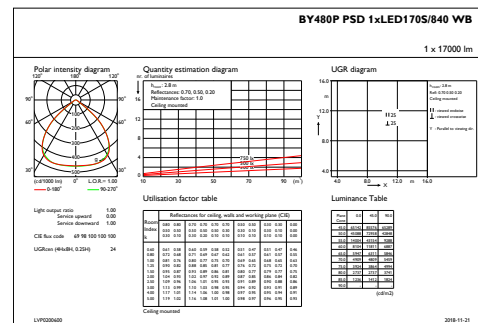


GentleSpace gen3 BY480P-BY483P

## Photometric data



IFPC1\_BY480PPSD1xLED170S840WB



IFGU1\_BY480PPSD1xLED170S840WB

