GentleSpace Gen3

BY480P LED170S/840 PSD WB PC WH

Gentlespace gen3 Small, 840 neutral white, Power supply unit with DALI interface, Wide beam, White

GentleSpace gen3 provides a smart combination of versatile offer with high efficiency, connectivity options and reliability. It provides a wide variety of options in terms of optics, beam angles (from very narrow to wide) and lumen packages, each delivering on best-in-class quality of light for enhanced safety, productivity, and comfort. With GentleSpace gen3 you can easily create a tailor-made and ideal lighting solution for almost any high ceiling and/or industrial application. It supports changes in application requirements (such as layout changes) thanks to its flexible optical system, which can be easily adjusted even after installation. Additionally, a choice of mounting possibilities and pre-mounted IP65 connector enables quick and easy installation. You can choose various cover materials, special variants for extreme temperatures (XT), or hazardous areas (ATEX 2/22), or sports applications. 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. Created with Circularity principles in mind, GentleSpace is serviceable luminaire with all information available at hand, via Signify ServiceTag app. 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		Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	Yes	Warranty period	5 years
CE mark	Yes	Service tag	Yes
Number of gear units	1 unit	Product family code	BY480P [Gentlespace gen3 Small]
Driver included	Yes	Lighting Technology	LED
Flammability mark	–	ENEC mark	ENEC mark

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EU RoHS compliant	Yes
Value ladder	Specification

Application Conditions

Maximum dim level	10%
Performance ambient temperature Tq	45 ℃
Suitable for random switching	No

Light Technical

Luminous Flux	17,000 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	Not applicable

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Initial CLO power consumption	– W
Average CLO power consumption	– W
Inrush current	5.1 A
Inrush time	76 ms
Power Consumption	120 W
Power Factor (Fraction)	0.9
Connection	External connector
Cable	Cord with plug Wieland/Adels compatible 5-pole
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	–30 to +45 ℃

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	–

Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Clear
Overall length	460 mm
Overall width	410 mm
Overall height	104 mm
Dimensions (Height x Width x Depth)	104 x 410 x 460 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Product Data

Full product code	871869940802200
Order product name	BY480P LED170S/840 PSD WB PC WH
Order code	910500465609
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910500465609
Full product name	BY480P LED170S/840 PSD WB PC WH
EAN/UPC – Case	8718699408022

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Dimensional drawing

80
460
410

www.lighting.philips.com

2023, September 8 – data subject to change