GentleSpace Gen3

BY480X LED170S/840 MB GC SI ACW-L BR

Gentlespace gen3 Interact, 840 neutral white, Power supply unit with DALI interface, Medium beam, Silver RAL 9006

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		Lighting Technology	LED
Light source replaceable	Yes	Value ladder	Specification
Number of gear units	1 unit	CE mark	Yes
Driver included	Yes	Warranty period	5 years
Service tag	Yes	Flammability mark	For mounting on easily flammable
Product family code	BY480X [Gentlespace gen3 Interact]		surfaces

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ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °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)	142 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	114 degree(s)
Light source color	840 neutral white
Optic type	Medium beam
Luminaire light beam spread	40° x 40°
Unified glare rating CEN	Not applicable

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	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 °C

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 material	Glass
Fixation material	Steel
Housing Color	Silver RAL 9006
Optical cover finish	Clear
Overall length	460 mm
Overall width	530 mm

Overall height	115 mm
Dimensions (Height x Width x Depth)	115 x 530 x 460 mm

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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

Application Conditions

Performance ambient temperature Tq	45 °C
Maximum dim level	10%
Suitable for random switching	Yes

Product Data

Order product name	BY480X LED170S/840 MB GC SI ACW-L BR
Full product name	BY480X LED170S/840 MB GC SI ACW-L BR
Full product code	871869940753700
Order code	910500465559
Material Nr. (12NC)	910500465559
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699407537
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699407537

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Dimensional drawing

227

460

546

www.lighting.philips.com

2023, December 5 – data subject to change