PHILIPS Lighting



GentleSpace Gen3

BY480P LED170S/840 PSD MB GC SI BR

GentleSpace Gen3, 113 W, BR, 17000 lm, 4000 K, DALI, Medium beam, IP65, IK07

The GentleSpace gen3 provides a smart combination of versatility with high efficiency, connectivity options and reliability. It provides a wide variety of optics, beam angles (from very narrow to wide) and lumen packages, each delivering bestin-class quality of light for enhanced safety, productivity and comfort. With the 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 a pre-mounted IP65 connector enables quick-and-easy installation. You can choose various cover materials and special variants for extreme temperatures (XT), hazardous areas (ATEX 2/22) or sports applications. In addition, the GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to an IoT-based system and software applications, such as Interact Industry. Created with circularity principles in mind, the GentleSpace is a serviceable luminaire with all the information available via the Signify ServiceTag app. Whether you are looking for a reliable 'fit & forget' solution or one that can be adapted and controlled after installation, the GentleSpace gen3 is the ideal solution for your application.

Product data

Yes
Unit
Yes
BY480P [Gentlespace gen3 Small]
LED

Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s

GentleSpace Gen3

EU RoHS compliant	Yes
Mounting	Bracket
Light Technical	
Luminous Flux	17,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	150 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	0.12
Stroboscopic effect	0.07
Beam angle of light source	114 degree(s)
Light source colour	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
Average CLO power consumption	- W
Inrush current	5.1 A
Inrush time	76 ms
Power Consumption	113 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

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Ambient temperature range

Controls and Dimming

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

-30 to +45 °C

Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Steel
Housing Colour	Silver
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	IK07 [2 J reinforced]
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1@200mm to
	EN62778

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

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

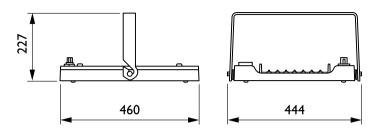
Application Conditions Performance ambient temperature Tq 45 °C Maximum dim level 10% Suitable for random switching No

Product Data

Order product name	BY480P LED170S/840 PSD MB GC SI BR
Full product name	BY480P LED170S/840 PSD MB GC SI BR
Full EOC	871869940779700
Order code	40779700
Material no. (12 NC)	910500465585
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699407797
Numerator – packs per outer box	1
EAN/UPC - Case	8718699407797

GentleSpace Gen3

Dimensional drawing





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