PHILIPS Lighting



GentleSpace Gen3

BY480P LED170S/840 PSD MB GC SI

Gentlespace gen3 Small, 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		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	

GentleSpace Gen3

EU RoHS compliant	Yes
Value ladder	Specification
Application Conditions	
Maximum dim level	10%
Performance ambient temperature Tq	45 °C
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	Medium beam
Luminaire light beam spread	40° × 40°
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 °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/lens material	Glass	
Fixation material	Steel	
Housing Color	Silver RAL 9006	
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	
Dimensions (Height x Width x Depth)	104 x 410 x 460 mm	
A survey and A surlise time.		

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)

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 5 %

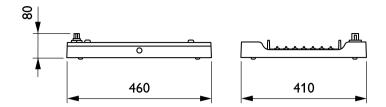
control geur fuiture fute ut median usefut the	5 /0
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	

Product Data

Troduct Butu		
Full product code	871869940745200	
Order product name	BY480P LED170S/840 PSD MB GC SI	
Order code	910500465551	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	1	
Material Nr. (12NC)	910500465551	
Full product name	BY480P LED170S/840 PSD MB GC SI	
EAN/UPC - Case	8718699407452	

GentleSpace Gen3

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 8 - data subject to change