PHILIPS Lighting



GentleSpace Gen3

BY480P LED170S/840 PSD MB PC 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

	Glow-wire test	Temperature 650 °C, duration 30 s	
Yes	Warranty period	5 years	
Yes	Service tag	Yes	
1 unit	Product family code	BY480P [Gentlespace gen3 Small]	
Yes	Lighting Technology	LED	
-	ENEC mark	ENEC mark	
-	Yes 1 unit Yes	Yes Warranty period Yes Service tag 1 unit Product family code Yes Lighting Technology	

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 ℃
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Machanian and Haustin-	
Mechanical and Housing	A.L
Housing Material	Aluminum
Reflector material	-

Optic material	Polycarbonate	
Optical cover/lens material	Polycarbonate	
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	

Approval and Application

Approvat and Apprication		
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)

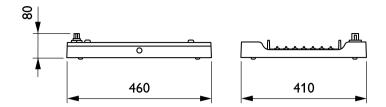
Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	

Product Data

Troduct Buta	
Full product code	871869940789600
Order product name	BY480P LED170S/840 PSD MB PC SI
Order code	910500465595
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910500465595
Full product name	BY480P LED170S/840 PSD MB PC SI
EAN/UPC - Case	8718699407896

GentleSpace Gen3

Dimensional drawing





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