



GentleSpace Gen3

BY480P LED170S/840 PSD NBA PC SI

Gentlespace gen3 Small, 840 neutral white, Power supply unit with DALI interface, Narrow beam adjustable, Polymethyl methacrylate bowl/cover, 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		
Lamp family code	-	
Cap-Base	- [-]	
Light source replaceable	Yes	

Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Product family code	BY480P [Gentlespace gen3 Small]

Datasheet, 2023, May 16 data subject to change

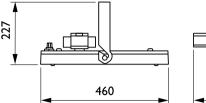
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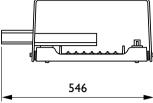
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	17,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (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	Narrow beam adjustable
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	25° x 30°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
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 Dissert	
Controls and Dimming	V
Dimmable Driver (accessed to the control of the co	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
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Control interface	DALI
Control interface Constant light output	DALI No
Constant light output	
Constant light output Mechanical and Housing	No
Constant light output Mechanical and Housing Housing Material	
Mechanical and Housing Housing Material Reflector material	No Aluminum
Constant light output Mechanical and Housing Housing Material Reflector material Optic material	Aluminum - Polycarbonate
Mechanical and Housing Housing Material Reflector material	No Aluminum

Housing Color	Silver RAL 9006
Optical cover 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	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 2 @200mm to
	EN62778
Photobiological risk specification	6 m
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	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
100000 h Lumen maintenance at median useful life*	L90
	L90
Lumen maintenance at median useful life*	L90
Lumen maintenance at median useful life* 50000 h	
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Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L80 45 °C
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L80 45 °C 10%
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L80 45 °C 10%
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	45 °C 10% No
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	L80 45 °C 10% No BY480P LED170S/840 PSD NBA PC SI
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Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	L80 45 °C 10% No BY480P LED170S/840 PSD NBA PC SI BY480P LED170S/840 PSD NBA PC SI 871869941470200
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Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L80 45 °C 10% No BY480P LED170S/840 PSD NBA PC SI BY480P LED170S/840 PSD NBA PC SI 871869941470200 41470200 910500465808 1
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	L80 45 °C 10% No BY480P LED170S/840 PSD NBA PC SI BY480P LED170S/840 PSD NBA PC SI 871869941470200 41470200 910500465808 1 8718699414702
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L80 45 °C 10% No BY480P LED170S/840 PSD NBA PC SI BY480P LED170S/840 PSD NBA PC SI 871869941470200 41470200 910500465808 1

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Dimensional drawing







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