GentleSpace Gen3

BY481P LED350S/840 PSD NBA GC SI

Gentlespace gen3 Large, 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

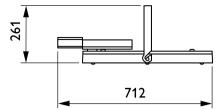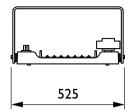| General Information			
Lamp family code	–	CE mark	Yes
Cap-Base	– [-]	Number of gear units	1 unit
Light source replaceable	Yes	Driver included	Yes
		Flammability mark	–

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Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Service tag	Yes
Product family code	BY481P [Gentlespace gen3 Large]
Lighting Technology	LED
ENEC mark	ENEC mark
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	35,000 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 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/lens type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	25° x 30°
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	15.3 A
Inrush time	6.1 ms
Power Consumption	232 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	8

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	600 mm
Overall width	490 mm
Overall height	110 mm
Dimensions (Height x Width x Depth)	110 x 490 x 600 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 2 @200mm to EN62778
Photobiological risk specification	8.4 m

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 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

Product Data

Full product code	871869941466500
Order product name	BY481P LED350S/840 PSD NBA GC SI
Order code	910500465804
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910500465804
Full product name	BY481P LED350S/840 PSD NBA GC SI
EAN/UPC – Case	8718699414665

GentleSpace Gen3

Dimensional drawing

261

712

525