PHILIPS Lighting



GentleSpace Gen3

BY481X LED350S/840 WB GC SI ACW-L BR

Gentlespace gen3 Interact, 840 neutral white, Power supply unit with DALI interface, Wide beam, Silver RAL 9006

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

General Information	
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Product family code	BY481X [Gentlespace gen3 Interact]
Lighting Technology	LED

Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable
	surfaces
ENEC mark	ENEC mark

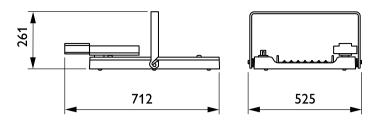
GentleSpace Gen3

Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	35,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	148 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	114 degree(s)
Light source colour	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	42° x 44°
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	15.3 A
Inrush time	0.061 ms
Power Consumption	230 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	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Steel
	Steel Silver RAL 9006
Fixation material	
Fixation material Housing Colour	Silver RAL 9006

Overall height	120 mm
Dimensions (height x width x depth)	120 x 490 x 712 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/ 10%
	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)
Driver failure rate at 5,000 hours	0.5 %
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	Yes
Product Data	
Order product name	BY481X LED350S/840 WB GC SI ACW-
	BR
Full product name	BY481X LED350S/840 WB GC SI ACW-
	BR
Full EOC	871869940751300
Order code	40751300
Material no. (12 NC)	910500465557
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699407513
Numerator – packs per outer box	1

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Dimensional drawing





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