



GentleSpace Gen3

BY481X LED250S/840 HRO GC SI ACW-L BR

Gentlespace gen3 Interact, 840 neutral white, Power supply unit with DALI interface, High-rack optic, 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	

Datasheet, 2023, December 4 data subject to change

GentleSpace Gen3

Glow-wire test	Temperature 850 °C, duration 5 s	Overall height
EU RoHS compliant	Yes	Dimensions (height x width x depth)
Light Technical		Approval and Application
Luminous Flux	25,000 lm	Ingress protection code
Correlated Colour Temperature	4000 K	ingress protection code
Luminous efficacy (rated) (nom.)	154 lm/W	Mech. impact protection code
	>80	Sustainability rating
Colour rendering index (CRI)	-	Protection class IEC
Beam angle of light source	114 degree(s)	Protection class IEC
Light source colour	840 neutral white	Initial Devicemance (IEC Compli
Optic type	High-rack optic	Initial Performance (IEC Complia
Luminaire light beam spread	16° x 47°	Luminous flux tolerance
Unified Glare Rating (CEN)	Not applicable	Initial chromaticity
Operating and Electrical		Power consumption tolerance
Operating and Electrical Input Voltage	220-240 V	Over Time Performance (IEC Co
Line Frequency	50 to 60 Hz	Driver failure rate at 5,000 hours
Inrush current	4.8 A	Control gear failure rate at median us
Inrush time	2.3 ms	50,000 h
Power Consumption	160 W	Control gear failure rate at median us
Power Factor (Fraction)	0.9	100,000 h
Connection	External connector	Lumen maintenance at median usefu
	Country with a large Marie and Andrea and Andrea	50,000 h
Cable	Cord with blug wieland/Adels compatible	
Cable	Cord with plug Wieland/Adels compatible 5-pole	
Cable Number of products on MCB of 16 A type B	5-pole 12	
	5-pole	Lumen maintenance at median usefu
	5-pole	Lumen maintenance at median usefu
Number of products on MCB of 16 A type B	5-pole	Lumen maintenance at median useful 100,000 h Application Conditions
Number of products on MCB of 16 A type B Temperature	5-pole 12	Lumen maintenance at median useful 100,000 h Application Conditions
Number of products on MCB of 16 A type B Temperature	5-pole 12	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To
Number of products on MCB of 16 A type B Temperature Ambient temperature range	5-pole 12	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	5-pole 12 -30 to +45 °C	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	5-pole 12 -30 to +45 °C Yes	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium -	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium - Polycarbonate	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium - Polycarbonate Glass	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium - Polycarbonate Glass Steel	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case
Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface Constant light output Mechanical and Housing Housing material Reflector material Optic material Optical cover/lens material Fixation material Housing Colour	5-pole 12 -30 to +45 °C Yes Power supply unit with DALI interface DALI No Aluminium - Polycarbonate Glass Steel Silver RAL 9006	Lumen maintenance at median useful 100,000 h Application Conditions Performance ambient temperature To Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC — Product/Case Numerator – packs per outer box

Correlated Colour Temperature	400010		proof
Luminous efficacy (rated) (nom.)	154 lm/W	Mech. impact protection code	IK02 [0.2 J standard]
Colour rendering index (CRI)	>80	Sustainability rating	-
Beam angle of light source	114 degree(s)	Protection class IEC	Safety class I
Light source colour	840 neutral white		
Optic type	High-rack optic	Initial Performance (IEC Compliant)	
Luminaire light beam spread	16° x 47°	Luminous flux tolerance	+/-10%
Unified Glare Rating (CEN)	Not applicable	Initial chromaticity	(0.38, 0.38) SDCM <3
		Power consumption tolerance	+/-10%
Operating and Electrical			
Input Voltage	220-240 V	Over Time Performance (IEC Compliant)	
Line Frequency	50 to 60 Hz	Driver failure rate at 5,000 hours	0.5 %
Inrush current	4.8 A	Control gear failure rate at median useful life 5%	
Inrush time	2.3 ms	50,000 h	
Power Consumption	160 W	Control gear failure rate at median useful life $$ 10 $$ $\!$ $\!$	
Power Factor (Fraction)	0.9	100,000 h	
Connection	External connector	Lumen maintenance at median useful life*	L90
Cable	Cord with plug Wieland/Adels compatible	50,000 h	
	5-pole	Lumen maintenance at median useful life*	L80
Number of products on MCB of 16 A type B	12	100,000 h	
Temperature		Application Conditions	
Ambient temperature range	-30 to +45 °C	Performance ambient temperature Tq	45 °C
		Maximum dim level	10%
Controls and Dimming		Suitable for random switching	Yes
Dimmable	Yes		
Driver/power unit/transformer	Power supply unit with DALI interface	Product Data	
Control interface	DALI	Order product name	BY481X LED250S/840 HRO GC SI ACW-L
Constant light output	No		BR
		Full product name	BY481X LED250S/840 HRO GC SI ACW-L
Mechanical and Housing			BR
Housing material	Aluminium	Full EOC	871869940747600
Reflector material		Order code	40747600
Optic material	Polycarbonate	Material no. (12 NC)	910500465553
Optical cover/lens material	Glass	SAP numerator – quantity per pack	1
Fixation material	Steel	EAN/UPC — Product/Case	8718699407476
Housing Colour	Silver RAL 9006	Numerator – packs per outer box	1
Optical cover/lens finish	Clear	EAN/UPC - Case	8718699407476
Overall length	712 mm		
Overall width	490 mm		

120 mm

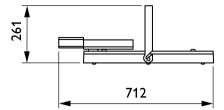
proof]

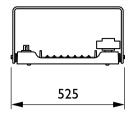
120 x 490 x 712 mm

IP65 [Dust penetration-protected, jet-

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Dimensional drawing







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