GentleSpace gen4

BY581P 250S/840 DIA WB GC SI BR

GentleSpace gen4, 144 W, BR, 25000 lm, 4000 K, DALI, Interact Ready, Symmetrical, IP65, IK07

GentleSpace gen4 is the ultimate lighting solution for industrial settings and indoor sports facilities. It exceeds expectations by ensuring superior light quality, improving employee safety and productivity, and complying with all the relevant safety regulations. Engineered for longevity, GentleSpace gen4 reduces the frequency, hassle, and costs of maintenance, making it ideal for high-ceiling installations. Its energy-efficient design cuts operational expenses, offering maximum application efficiency and an attractive total cost of ownership (TCO). This product range offers a wide variety of optics, beam angles (from very narrow to wide), lumen packages, and connectivity options. With GentleSpace gen4 you can easily create a tailor-made lighting solution for every high-ceiling application. Its modern, flat design makes it easier to install, clean, and maintain. The single optical window design provides superior visual performance. A variety of mounting possibilities and connectors, like the pre-mounted IP65 connector, enable quick and easy installation. The robust design allows to withstand harsh conditions in all sorts of environments. You can choose between various cover materials, including specialized variants for extreme temperatures (XT), hazardous areas (ATEX 2/22), and sports applications.Additionally, GentleSpace gen4 offers advanced connectivity options. It’s ready to use in connected lighting systems like Interact. Reliable, high-efficiency lighting with smart connectivity – a bright choice for a better future.Embrace sustainability with GentleSpace gen4, the highbay lighting solution that complies with the principles of the circular economy by prioritizing durability and recyclability. The luminaire is serviceable, with all the information available at your fingertips via the Signify Service tag app. Whether you are looking for a reliable “fit and forget” solution or one that can be adapted and controlled after installation, GentleSpace gen4 is the right choice for you.

Product data

GentleSpace gen4

General Information	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Specification
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	174 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Symmetrical
Luminaire light beam spread	42° x 44°
Unified glare rating CEN	25

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	0 W
Average CLO power consumption	-W;- W
Inrush current	5.1 A
Inrush time	0.76 ms
Power Consumption	144 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 5-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	16
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Dali dimming Intaract System ready
Control interface	DALI
Constant light output	No
DALI Standard	D4i™ DALI-2™
Maximum dim level	10%
Connectivity	Interact Ready

Mechanical and Housing	
Housing Material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Silver
Optical cover finish	Clear
Overall length	417 mm
Overall width	654 mm
Overall height	244 mm
Dimensions (Height x Width x Depth)	244 x 654 x 417 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Mounting	Bracket
Net Weight (Piece)	13.700 kg

Emergency Operation	
Central Emergency	No

Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.12
Stroboscopic effect visibility measure (SVM)	0.07
Ambient temperature range	-30 to +55 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380, 0.375) SDCM 3
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L85

Product Data	
Order product name	BY581P 250S/840 DIA WB GC SI BR
Full product name	BY581P 250S/840 DIA WB GC SI BR
Full product code	872016959425800
Order code	910505102889
Material Nr. (12NC)	910505102889
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169594258
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169594258
Product family code	BY581P [Gentlespace gen4 Large]

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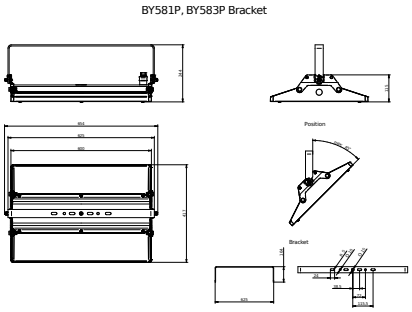
Dimensional drawing



With Wieland connector on a cable or free cable finish, cable length is: 0.5m or 1m or 1.5m. or 2m