



# **GentleSpace gen4**

### BY581P 250S/840 PSU WB GC SI

GentleSpace gen4, 144 W, SMT, 25000 lm, 4000 K, 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 tailormade 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 guick 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**

Datasheet, 2025, January 20 data subject to change

# GentleSpace gen4

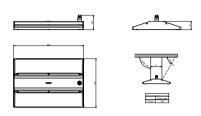
General Information	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Specification
Warranty period	5 years
Sustainability rating	Lighting for circularity
Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	174 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Symmetrical 42° × 44°
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	7.68 A
Inrush time	0.06 ms
Power Consumption	144 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels
Connection	compatible
Cable	-
Number of products on MCB of 16 A type B	12
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Machanical and Herrine	
Mechanical and Housing	Aluminium
Housing Material	Aluminium
Reflector material Optic material	Polycarbonate
	Polycarbonate
<u> </u>	Class
Optical cover material	Glass
Optical cover material Fixation material	Aluminum
Optical cover material	

Overall width         600 mm           Overall height         125 mm           Dimensions (Height x Width x Depth)         125 x 600 x 417 mm           Ingress protection code         IRO7 [2 J reinforced]           Mech. impact protection code         IK07 [2 J reinforced]           Mounting         Suspension set twin, triangle           Net Weight (Piece)         10.800 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           ENEC mark         Yes           ENEC mark         Yes           ENEC mark         ENEC mark           EU RoHS compliant         Yes           Performance ambient temperature Tq         25 °C           Flickering value (PstLM) - Flickering value         0.04           sa sper EN 61000-3-3         Stroboscopic effect visibility measure (SVM)         0.07           Ambient temperature range         -30 to +55 °C           Initial Performance (IEC Compliant)         Luminous flux tolerance         +/-10%           Unification of promace at median useful ife*         10%           Over Tim			
Dimensions (Height x Width x Depth) Ingress protection code IP65 [Dust penetration-protected, jet-proof] Mech. impact protection code IR67 [2 J reinforced] Mounting Suspension set twin, triangle Net Weight (Piece) 10.800 kg  Emergency Operation Central Emergency No  Approval and Application Glow-wire test Flammability mark For mounting on easily flammable surfaces CE mark Yes ENEC mark ENEC mark ENEC mark EU RoHS compliant Yes Performance ambient temperature Tq Flickering value (PstLM) - Flickering value as per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) Initial Performance (IEC Compliant) Luminous flux tolerance Initial Performance (IEC Compliant) Control gear failure rate at median useful Iffe 100000 h  Product Data Order product name BY58IP 250S/840 PSU WB GC SI Full product code Order code 91050102873 Numerator - Quantity Per Pack Inamerator - Packs per outer box I EAN/UPC - Case B720169594098 Numerator - Packs per outer box I EAN/UPC - Case B720169594098 Numerator - Packs per outer box I EAN/UPC - Case B720169594098 Numerator - Packs per outer box I EAN/UPC - Case B720169594098 Numerator - Packs per outer box I EAN/UPC - Case	Overall width	600 mm	
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Mech. impact protection code  Mounting  Suspension set twin, triangle  Net Weight (Piece)  No  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  Performance ambient temperature Tq  EU RoHS compliant  Performance ambient temperature Tq  Flickering value (PstLM) - Flickering value as per EN 61000-3-3  Stroboscopic effect visibility measure (SVM)  Initial Performance (IEC Compliant)  Luminous flux tolerance  Initial chromaticity  Control gear failure rate at median useful life*  Control gear failure rate at median useful life*  Ite 100000 h  Lumen maintenance at median useful life*  Droduct Data  Order product name  BY581P 2505/840 PSU WB GC SI  Full product code  Material Nr. (12NC)  Ploss Pago 1009594098  Numerator - Packs per outer box  I EAN/UPC - Case  8720169594098  Numerator - Packs per outer box  I EAN/UPC - Case  R720169594098  Numerator - Packs per outer box  I EAN/UPC - Case  R720169594098	Dimensions (Height x Width x Depth)	125 x 600 x 417 mm	
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Lumen maintenance at median useful life*         L85           100000 h           Product Data           Order product name         BY581P 250S/840 PSU WB GC SI           Full product name         BY581P 250S/840 PSU WB GC SI           Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098	_	10 76	
DODOOO h   Product Data		1.85	
Order product name         BY581P 250S/840 PSU WB GC SI           Full product name         BY581P 250S/840 PSU WB GC SI           Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098		200	
Order product name         BY581P 250S/840 PSU WB GC SI           Full product name         BY581P 250S/840 PSU WB GC SI           Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098			
Order product name         BY581P 250S/840 PSU WB GC SI           Full product name         BY581P 250S/840 PSU WB GC SI           Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098	Product Data		
Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098	Order product name	BY581P 250S/840 PSU WB GC SI	
Full product code         872016959409800           Order code         910505102873           Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098	Full product name	BY581P 250S/840 PSU WB GC SI	
Material Nr. (12NC)         910505102873           Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098		872016959409800	
Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098	Order code	910505102873	
Numerator - Quantity Per Pack         1           EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098			
EAN/UPC - Product/Case         8720169594098           Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098			
Numerator - Packs per outer box         1           EAN/UPC - Case         8720169594098		8720169594098	
<b>EAN/UPC - Case</b> 8720169594098			
		8720169594098	
		BY581P [Gentlespace gen4 Large]	

## GentleSpace gen4

#### Dimensional drawing

BY581P, BY583P suspended



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

