# GentleSpace gen4

## BY580P 170S/840 DIA ASYM GC SI MBW

GentleSpace gen4, 108 W, MBW, 17000 lm, 4000 K, DALI, Interact Ready, Assymetric Beam angle, 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 |
| Value ladder | Specification |
| Warranty period | 5 years |
| Sustainability rating | Lighting for circularity |

## Light Technical

| | |
|---|---|
| Luminous Flux | 17,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 157 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Assymetric Beam angle |
| Luminaire light beam spread | 40° x 40° |
| 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 | 108 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 | 377 mm |
| Overall width | 656 mm |
| Overall height | 117 mm |
| Dimensions (Height x Width x Depth) | 117 x 656 x 377 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Mounting | Wall-mounting bracket |
| Net Weight (Piece) | 9.100 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 | BY580P 170S/840 DIA ASYM GC SI MBW |
| Full product name | BY580P 170S/840 DIA ASYM GC SI MBW |
| Full product code | 872016958904900 |
| Order code | 910505102910 |
| Material Nr. (12NC) | 910505102910 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8720169589049 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8720169589049 |
| Product family code | BY580P [Gentlespace gen4 Small] |

# GentleSpace gen4

## Dimensional drawing

BY580P, BY582P Wallmounted bracket



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