# GentleSpace gen4

## BY580P 170S/840 DIA HE WB GC SI ELP3

GentleSpace gen4, High efficiency, 97 W, SMT, 17000 lm, 4000 K, DALI, Interact Ready, Symmetrical, IP65, IK07, ELP3h

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 | 17,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 175 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 | 4.5 A |
| Inrush time | 1 ms |
| Power Consumption | 97 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 | 14 |
| 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 | 254 mm |
| Overall width | 600 mm |
| Overall height | 117 mm |
| Dimensions (Height x Width x Depth) | 117 x 600 x 254 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Mounting | Suspension set twin, triangle |
| Net Weight (Piece) | 6.800 kg |

## Emergency Operation

| | |
|---|---|
| Emergency flux | 450 lm |
| Power consumption during Central DC emergency mode | 3 W |
| Rated duration of the emergency lighting (when fully charged) | 3 hour(s) |
| Central Emergency | No |
| Type of emergency lighting battery | Lithium |
| Emergency lighting | Emergency lighting 3 hours duration Pro version |

## Approval and Application

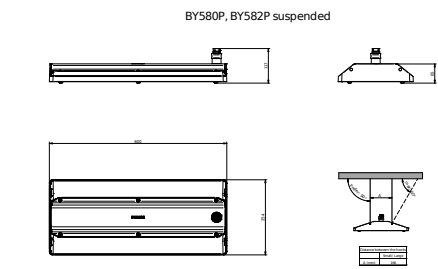| | |
|---|---|
| Glow-wire test | Temperature 850 °C, duration 30 s |
| Flammability mark | For mounting on easily flammable surfaces |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Ambient temperature range | 0 °C to 25 °C |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.383, 0.377) 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 HE WB GC SI ELP3 |
| Full product name | BY580P 170S/840 DIA HE WB GC SI ELP3 |
| Full product code | 872016959432600 |
| Order code | 910505102896 |
| Material Nr. (12NC) | 910505102896 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8720169594326 |
| Numerator – Packs per outer box | 1 |
| EAN/UPC – Case | 8720169594326 |

| **Product family code** | BY580P [Gentlespace gen4 Small] |
|---|---|

## Dimensional drawing

BY580P, BY582P suspended



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

www.lighting.philips.com

2025, January 20 – data subject to change