



GentleSpace gen4

**BY581P 250S/840 DIA
HEWBGCSICHEMMBW1mCW5**

GentleSpace gen4, Highbay, 138 W, 25000 lm, 4000 K, DALI, Interact Ready, Wide beam, IP65, IK07

Highbay, Aluminium, Silver, Double layer powder coating, Dali dimming Interact System ready, 25000 lm, 138 W, 181 lm/W, 4000 K, (0.383, 0.377) SDCM 3, Wide beam, Clear, Glass, IP65 | Dust penetration-protected, jet-proof, IK07 | 2 J reinforced, Safety class I, Plug-in connector 5-pole Wieland/Adels compatible

Product data

| General Information | |
|------------------------------------|-------------------|
| Number of gear units | 1 unit |
| Driver included | Yes |
| Value ladder | Specification |
| Warranty period | 5 years |
| Light Technical | |
| Luminous Flux | 25,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 181 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 91° x 91° |
| 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 | 138 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 |

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| Controls and Dimming | |
|-------------------------------|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Dali dimming Interact System ready |
| Control interface | DALI |
| Constant light output | No |
| DALI Standard | DALI-2™ with extended data: Parts 251/252/253 |
| 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 | 600 mm |
| Overall height | 125 mm |
| Dimensions (Height x Width x Depth) | 125 x 600 x 417 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Net Weight (Piece) | 12.000 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 | (0.383, 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 (EN-IEC 62722-2-1) at median useful life* 50000 h | - |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L85 |

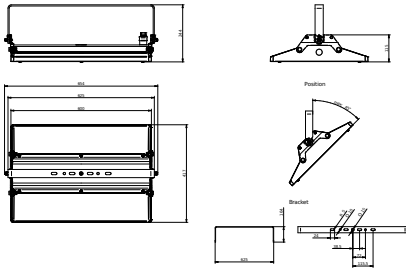
| Sustainability Data | |
|--|--|
| Sustainability rating | Signify Circle |
| Repair class | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time. |
| Embedded carbon (A1-A3) | 78.7 kg CO ₂ e |
| Product non-virgin material ratio | 38.9 % |
| Recyclable content ratio of the finished product | 58.1 % |
| GWP total B6 (kg CO ₂ eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh) |
| GWP total B6 (kg CO ₂ eq) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled Plastic >35% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% Plastic recycling rate > 40% |
| Packaging Material | Cardboard Plastic |

| Product Data | |
|---------------------------------|---|
| Order product name | BY581P 250S/840 DIA HEWBGCSICHEMMBW1mCW5 |
| Full product name | BY581P 250S/840 DIA HEWBGCSICHEMMBW1mCW5 |
| Full product code | 872016959061800 |
| Order code | 910505104565 |
| Material Nr. (12NC) | 910505104565 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8720169590618 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8720169590618 |
| Product family code | BY581P [Gentlespace gen4 Large] |

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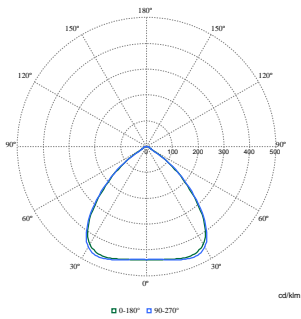
Dimensional drawing

BY581P, BY583P Bracket



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

Photometric data



Polar Normal (separate) - BY580PI - 910505104565

