



Coreline Highbay Gen4

BY121P G4 LED200S/865 PSU NB

Coreline Highbay Gen4, 138 W, 20500 lm, 6500 K, 55°, IP65, IK07

CoreLine Highbay Gen4 delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A reliable, highly efficient luminaire with a very long-lifetime, it delivers great savings on energy and requires less maintenance. At the same time, CoreLine Highbay is very easy to handle. The luminaire can be installed on your existing grid and the electrical connection is a straightforward task, with no need to open the luminaire and an external IP65 connector. With a choice of two beam angles: narrow and wide beam, you can adjust your lighting plan to suit your exact needs. This range also includes Interact Ready luminaires with integrated wireless communications and integrated movement and daylight sensors. So CoreLine Highbay Gen4 is ready to be used with any Interact connected lighting system.

Product data

| General Information | | | |
|--------------------------|---|----------------------------------|-----------------------------------|
| Light source replaceable | No | ENEC mark | ENEC mark |
| Number of gear units | Unit | Glow-wire test | Temperature 650 °C, duration 30 s |
| Driver included | Yes | EU RoHS compliant | Yes |
| Light source engine type | LED | Light Technical | |
| Value ladder | Performance | Luminous Flux | 20,500 lm |
| CE mark | CE mark | Correlated Colour Temperature | 6500 K |
| Warranty period | 5 years | Luminous efficacy (rated) (nom.) | 149 lm/W |
| Flammability mark | For mounting on easily flammable surfaces | Colour rendering index (CRI) | >80 |
| | | Beam angle of light source | 55 degree(s) |

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|-----------------------------|--------------------------|
| Light source colour | 865 cool daylight |
| Optic type | Narrow beam |
| Optical cover type | Polycarbonate bowl/cover |
| Luminaire light beam spread | 55° |
| Unified Glare Rating (CEN) | 22 |

Operating and Electrical

| | |
|--|-----------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W |
| Average CLO power consumption | - W |
| Inrush current | 54 A |
| Inrush time | 0.65 ms |
| Power Consumption | 138 W |
| Power Factor (Fraction) | 0.95 |
| Connection | Connection unit 3-pole |
| Cable | Cable 0.3 m with connector 3-pole |
| Number of products on MCB of 16 A type B | 8 |

Temperature

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|---------------------------|---------------|
| Ambient temperature range | -30 to +45 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

Mechanical and Housing

| | |
|-----------------------------|---------------|
| Housing material | Aluminium |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminium |
| Housing Colour | Grey |
| Optical cover/lens finish | Clear |
| Overall height | 95 mm |
| Overall diameter | 450 mm |

Approval and Application

| | |
|------------------------------|--|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|---------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.31, 0.32 SDCM <5 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|--|-------|
| Driver failure rate at 5,000 hours | 0.3 % |
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h | L80 |

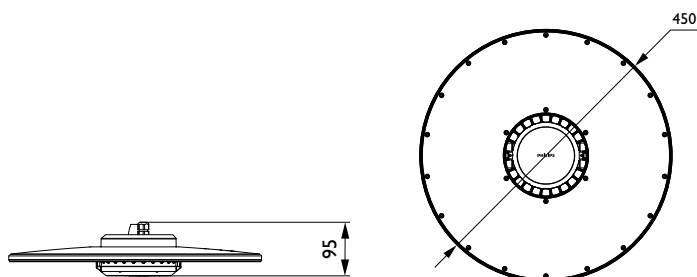
Application Conditions

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|------------------------------------|----------------|
| Performance ambient temperature Tq | 35 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Yes |

Product Data

| | |
|-----------------------------------|------------------------------|
| Order product name | BY121P G4 LED200S/865 PSU NB |
| Full product name | BY121P G4 LED200S/865 PSU NB |
| Full EOC | 871016333565000 |
| Order code | 33565000 |
| Material no. (12 NC) | 911401575451 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8710163335650 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8710163335650 |

Dimensional drawing



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