



CoreLine Highbay Gen5

BY121P G5 LED200S/865 PSU WB

CoreLine Highbay Gen5, 126 W, 20000 lm, 6500 K, Wide beam, IP65, IK08

CoreLine Highbay Gen5 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 energy savings 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 Gen5 is ready to be used with any Interact connected lighting system.

Product data

| General Information | |
|--------------------------|-------------|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |
| Warranty period | 5 years |
| Sustainability rating | - |

| Light Technical | |
|------------------------------------|-------------------|
| Luminous Flux | 20,000 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 159 lm/W |
| Color rendering index (CRI) | >80 |
| Light source color | 865 cool daylight |
| Optic type | Wide beam |
| Luminaire light beam spread | 85° x 85° |

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|--------------------------|----|
| Unified glare rating CEN | 25 |
|--------------------------|----|

Operating and Electrical

| | |
|--|-----------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Inrush current | 40 A |
| Inrush time | 0.665 ms |
| Power Consumption | 126 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 | 6 |
| Suitable for random switching | Yes |
| Protection class IEC | Safety class I |
| Total harmonic distortion | 15 % |

Controls and Dimming

| | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| Constant light output | No |
| Maximum dim level | Not applicable |

Mechanical and Housing

| | |
|------------------------------|--|
| Housing Material | Aluminum die-cast |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | - |
| Housing Color | Grey |
| Optical cover finish | Clear |
| Overall length | 330 mm |
| Overall height | 99 mm |
| Overall diameter | 330 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [5 J vandal-protected] |
| Net Weight (Piece) | 2.690 kg |

Approval and Application

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|-------------------|---|
| Glow-wire test | Temperature 650 °C, duration 30 s |
| Flammability mark | For mounting on normally flammable surfaces |

| | |
|---|--|
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Photobiological risk | Photobiological risk group 1 @200mm to EN62778 |
| Photobiological risk specification | 18.2 m |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 35 °C |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 0.5 |
| Stroboscopic effect visibility measure (SVM) | 1 |
| Ambient temperature range | -30 to +50 °C |

Initial Performance (IEC Compliant)

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|--|-----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.316, 0.332) SDCM<5 |
| Power consumption tolerance | +/-10% |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

Over Time Performance (IEC Compliant)

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|--|------|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L85 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L75 |

Product Data

| | |
|---------------------------------|------------------------------|
| Order product name | BY121P G5 LED200S/865 PSU WB |
| Full product name | BY121P G5 LED200S/865 PSU WB |
| Full product code | 871951495577600 |
| Order code | 911401630308 |
| Material Nr. (12NC) | 911401630308 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514955776 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8719514955776 |

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Dimensional drawing

