



Coreline Highbay Gen4

BY122P G4 LED250S/840 PSU WB

840 neutral white - Power supply unit - Wide beam - Gray

Following the success of the previous generation CoreLine High-bay, the upgrade to a new generation further improves performance with new innovation design and provides higher efficiency, longer lifetime (to further improve the total cost of ownership), and optional DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G4 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid; electrical connection is straightforward – there is no need to open the luminaire for installation or servicing; and being smaller and lighter than conventional luminaires, it is very easy to handle

Product data

| General Information | | Cable | Cable 0.3 m with connector 3-pole |
|-------------------------------|------------------------|--|---|
| Beam angle of light source | 90 x 90 ° | Protection class IEC | Safety class I |
| Light source color | 840 neutral white | Glow-wire test | Temperature 650 °C, duration 30 s |
| Light source replaceable | No | Flammability mark | For mounting on normally flammable surfaces |
| Number of gear units | 1 unit | CE mark | CE mark |
| Driver/power unit/transformer | Power supply unit | ENEC mark | - |
| Driver included | Yes | Warranty period | 5 years |
| Optic type | Wide beam | Constant light output | No |
| Luminaire light beam spread | 90° x 90° | Number of products on MCB of 16 A type B | 8 |
| Control interface | - | RoHS mark | RoHS mark |
| Connection | Connection unit 3-pole | | |

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| Unified glare rating CEN | 26 |
|--------------------------|----|

Operating and Electrical

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|-------------------------------|--------------|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 to 60 Hz |
| Initial CLO power consumption | - W |
| Average CLO power consumption | - W |
| Inrush current | 64 A |
| Inrush time | 0.75 ms |
| Power Factor (Min) | 0.95 |

Controls and Dimming

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|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

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|-----------------------------|---------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | - |
| Optical cover/lens finish | Clear |
| Overall height | 90 mm |
| Overall diameter | 510 mm |
| Color | Gray |

Approval and Application

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|------------------------------|---|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |

Initial Performance (IEC Compliant)

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|-------------------------------------|----------|
| Initial luminous flux (system flux) | 25000 lm |
| Luminous flux tolerance | +/-10% |

| | |
|--------------------------------|-----------------------|
| Initial LED luminaire efficacy | 145 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | >80 |
| Initial chromaticity | (0.307, 0.323 SDCM <5 |
| Initial input power | 172 W |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

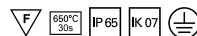
| | |
|---|---------|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Median useful life L70B50 | 70000 h |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

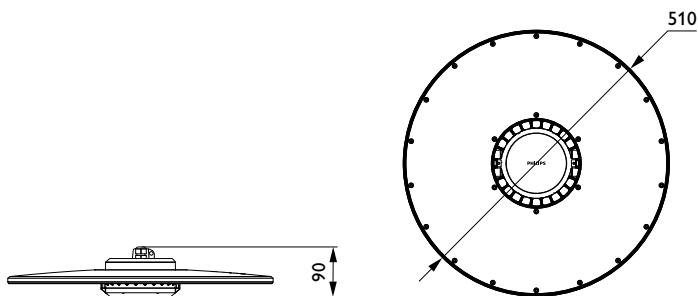
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|------------------------------------|----------------|
| Ambient temperature range | -30 to +45 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Yes |

Product Data

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|---------------------------------|------------------------------|
| Full product code | 871016333665700 |
| Order product name | BY122P G4 LED250S/840 PSU WB |
| EAN/UPC - Product | 8710163336657 |
| Order code | 911401578451 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 911401578451 |
| Net Weight (Piece) | 5.800 kg |



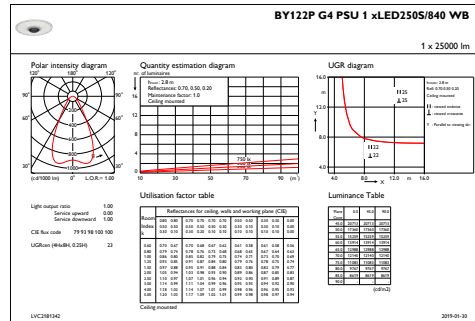
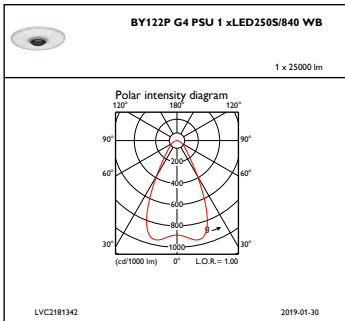
Dimensional drawing



CoreLine High-bay BY120P/BY121P

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Photometric data



IFPC1_

IFGU1_

