



SmartBright Highbay RCA

BY235P LED100/NW PSU NB RU

840 neutral white - Power supply unit

SmartBright Highbay is a high efficient and reliable LED luminaire. Designed as the point to point replacement for HPI 250W/400W luminaires, it offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance.

Product data

| General Information | | Operating and Electrical | |
|-------------------------------|----------------------------------|--|-------------------|
| Beam angle of light source | - ° | Constant light output | No |
| Light source color | 840 neutral white | Number of products on MCB of 16 A type B - | |
| Light source replaceable | No | RoHS mark | - |
| Number of gear units | 1 unit | Controls and Dimming | |
| Driver/power unit/transformer | Power supply unit | Dimmable | No |
| Driver included | Yes | Mechanical and Housing | |
| Optic type | - | Housing Material | Aluminum die cast |
| Luminaire light beam spread | 60° | Reflector material | - |
| Control interface | - | | |
| Connection | - | | |
| Cable | Cable 0.3 m without plug | | |
| Protection class IEC | Safety class I | | |
| Glow-wire test | Temperature 650 °C, duration 5 s | | |
| Flammability mark | - | | |
| CE mark | CE mark | | |
| ENEC mark | - | | |
| Warranty period | 3 years | | |

SmartBright Highbay RCA

| | |
|-----------------------------|---------------|
| Optic material | - |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Aluminum |
| Optical cover/lens finish | Clear |
| Overall height | 131.5 mm |
| Overall diameter | 300 mm |
| Color | Black |

Approval and Application

| | |
|------------------------------|---|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK05 [0.7 J] |

Initial Performance (IEC Compliant)

| | |
|-------------------------------------|-------------------|
| Initial luminous flux (system flux) | 10000 lm |
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 100 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | 70 |
| Initial chromaticity | (0.38.0.38)SDCM<5 |
| Initial input power | 100 W |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|---------------------------|---------|
| Median useful life L70B50 | 30000 h |
| Median useful life L80B50 | 20000 h |
| Median useful life L90B50 | 10000 h |

Application Conditions

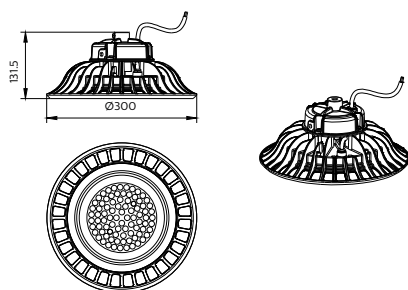
| | |
|-------------------------------|----------------|
| Ambient temperature range | -20 to +45 °C |
| Maximum dim level | Not applicable |
| Suitable for random switching | Not applicable |

Product Data

| | |
|---------------------------------|----------------------------|
| Full product code | 871016333890300 |
| Order product name | BY235P LED100/NW PSU NB RU |
| EAN/UPC - Product | 8710163338903 |
| Order code | 911401579651 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 911401579651 |
| Net Weight (Piece) | 2.600 kg |



Dimensional drawing



SmartBright High-bay BY218P/BY235P

