



GreenUp Line Highbay

BY450P LED136/NW PSU WB EN

GreenUp Line Highbay, 115 W, 13600 lm, 4000 K, 90°

The GreenUp Line Highbay is a simple LED solution which efficiently illuminates work areas, creating a brighter and better warehouse, retail or manufacture environment. With its three optical design and energy efficiency, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

| General Information | | | |
|--------------------------|---|------------------------------------|--|
| Light source replaceable | No | Correlated Color Temperature (Nom) | 4000 K |
| Number of gear units | 1 unit | Luminous Efficacy (rated) (Nom) | 118 lm/W |
| Driver included | Yes | Color rendering index (CRI) | >80 |
| Light source engine type | LED | Beam angle of light source | - degree(s) |
| CE mark | CE mark | Light source color | 840 neutral white |
| Warranty period | 3 years | Optic type | Wide beam |
| Flammability mark | For mounting on normally flammable surfaces | Optical cover type | Linear-lens array in polycarbonate cover |
| ENEC mark | - | Luminaire light beam spread | 90° |
| Glow-wire test | Temperature 650 °C, duration 5 s | Operating and Electrical | |
| EU RoHS compliant | No | Input Voltage | 220 to 240 V |
| Light Technical | | Line Frequency | 50 to 60 Hz |
| Luminous Flux | 13,600 lm | Inrush current | 46 A |
| | | Inrush time | 440 ms |
| | | Power Consumption | 115 W |

GreenUp Line Highbay

| | |
|---|--------------------------|
| Power Factor (Fraction) | 0.95 |
| Connection | Flying leads/wires |
| Cable | Cable 1.5 m without plug |
| Number of products on MCB of 16 A type B 11 | |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +45 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

| | |
|------------------------|--------------------|
| Housing Material | Aluminum extruded |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | - |
| Housing Color | Aluminum and white |
| Optical cover finish | Clear |
| Overall length | 1,318 mm |
| Overall width | 125 mm |

Approval and Application

| | |
|------------------------------|-------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK03 [0.3 J] |

| | |
|----------------------|----------------|
| Protection class IEC | Safety class I |
|----------------------|----------------|

Initial Performance (IEC Compliant)

| | |
|-----------------------------|-------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38.0.38)SDCM<5 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|-------------------------------|----------------|
| Driver failure rate at 5000 h | 0.01 % |
| Median useful life L70B50 | 50,000 hour(s) |
| Median useful life L80B50 | 40,000 hour(s) |
| Median useful life L90B50 | 30,000 hour(s) |

Application Conditions

| | |
|-------------------------------|----------------|
| Maximum dim level | Not applicable |
| Suitable for random switching | No |

Product Data

| | |
|---------------------------------|----------------------------|
| Order product name | BY450P LED136/NW PSU WB EN |
| Full product name | BY450P LED136/NW PSU WB EN |
| Full product code | 911401531351 |
| Order code | 911401531351 |
| Material Nr. (12NC) | 911401531351 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 2 |

Dimensional drawing



