

The Astrid HP LED LowBay Range of Industrial Luminaires

The Morgan Hope Astrid HP LED LowBay Range of Industrial Luminaires are designed with the latest high output SMD/LED Chips providing products that incorporate the benefits of the ongoing improvements in LED technology and offering not only extended life patterns but also improved High Power Output for lower consumption.

With emphasis on Warehouse and Factory lighting the industrial sector has significant levels of power consumption in relation to lighting, especially when considering various options of HID Discharge systems currently being used. Apart from high running costs, such types of lighting do not facilitate control systems and therefore where applications would be suited to occupancy or daylight detection, the delayed strike time of the lamp makes this option impossible.

The rapid growth of LED technology has enabled Morgan Hope to develop a range of high lumen output fittings covering both sectors of luminaire types with HighBay and LowBay designs. Whilst this Data Sheet relates solely to the Astrid HP LowBay Range, where required we can also offer our Astrid HighBay range detailed on the relevant literature.

Applications:

- Factories
- Warehouses
- Food Industry
- Car Parks
- Sports Halls

Features:

- Suitable for HighBay or LowBay replacement
- Sealed Luminaire and water resistant to IP65
- Dust free
- High output with energy savings up to 70%
- Instant switching
- Can be controlled with occupancy and daylight detection
- Available with fixed output or dimmable drivers
- Easy installation with brackets and suspension kit included



For further information and technical data please contact **Morgan Hope Industries Limited:**

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morganhope
INDUSTRIES LTD

Light **Where** you need it, **When** you need it

Luminaire Construction

The Astrid HP LED LowBay is constructed from silver grey extruded aluminium, in a bespoke housing, incorporating the LED PCB, with an opal polycarbonate diffuser and fitted with an external mounting plate for the driver, to reduce heat generation. The driver is of proprietary brand based on Philips, Osram or Meanwell and available for fixed output or with a dimming option.

Control Suitability

For further energy efficiency enhancements, the Astrid HighBay HP can be fitted with one of the Morgan Hope occupancy and daylight control systems based on either Microwave or PIR or alternatively controlled via remote detectors. For details on the range contact our Helpline. Full information is available in the relevant Product Data Sheets.

Electrical Specification:

| Item: | Model: Astrid HP-150W-LED-LowBay | Model: Astrid HP-220W-LED-LowBay |
|--|---|---|
| Power Rating Input | 230/240V | 230/240V |
| Voltage (V) | 36V | 45V |
| Working current (mA) | 3750mA | 4400mA |
| Total Watt (W) | 150W | 220W |
| Power Factor | ≥0.96 | ≥0.96 |
| Lumens per Watt | | |
| Daylight White (5000K) (Colours 3000K, 4000K and 6000K available to special order) | 102 lm/W (40°) | 112 lm/W (40°) |
| Total Lumen Output Daylight White (5000K) | 15,300 lm (40°) | 24,640 lm (40°) |
| CRI | ≥82 | ≥82 |
| Beam Angle | 120° | 120° |
| Colour Temperature Ranges | 3000K-6000K | 3000K-6000K |
| IP Rating | IP65 against water and dust ingress | IP65 against water and dust ingress |
| Certification | CE, RoHS, UL, SAA | CE, RoHS, SAA |
| Overall size | 1200mm long x 150mm wide x 67mm high | 1500mm long x 150mm wide x 67mm high |

Emergency Back-up

The Astrid HP LED LowBay is suitable for Emergency Battery Back-up, mounted in a remote box fitted to the body of the fitting and if required suffix the product code "EM".

Industrial Luminaires

Morgan Hope provides a range of luminaires suitable for all types of industrial applications covering both internal and external requirements. For further details and information contact our Helpline.



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Always ensure the fitting is fully earthed. **Important:** Installation must only be carried out by a Qualified Electrician. Morgan Hope Ltd reserves the right to change specification details without notice.

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