



## LED highbay light

### Features

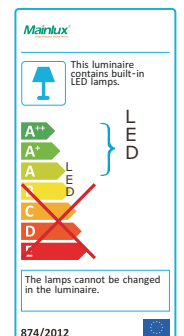
- ☆ system efficacy up to 114 lm/W
- ☆ extended system service lifetime up to 50,000hrs (L80/B50) at ambient temperature 35°C
- ☆ outstanding colour rendering performance (Ra75/80/85/90), stable colour constancy
- ☆ light control with lens and various beam angle reflector, glare protection
- ☆ simple single-point chain-suspended or bracket-ceiling mounted in groups
- ☆ instant full light on, and instant restart with 100% full luminous flux
- ☆ optional with 0-10V dimming and dali dimming
- ☆ DIN13021 design standard
- ☆ beam angle 45/90/120° available
- ☆ housing of finish color: jet black RAL9005 or aluminum grey RAL9007

### Application



### Benefits

- ☆ designed for using in both food(IFS standard) and non-food area, meet variable demands for indoor & outdoor environment
- ☆ up to 80% energy consumption saved compared with metal halide high bay
- ☆ lower operation & maintenance cost, maintenance factor 0.8
- ☆ dedicated optics design can help to reduce the fixture quantities, flexible and easy installation
- ☆ help you create a excellent factory&warehouse working environment for your workers, attract people enjoy playing in your sports field, and make your city station safe and comfortable



### Specification

| Item number       | Photo | Power (W) | Luminous flux (lm) | Efficacy (lm/W) | Light source | CRI (Ra) | CCT(K) | Driver   | Lifespan (L80/hrs) |
|-------------------|-------|-----------|--------------------|-----------------|--------------|----------|--------|----------|--------------------|
| MXHB-05-150W      |       | 150       | 17100              | 114             | cree         | 75       | 4000   | meanwell | >50000             |
| MXHB-05-200W      |       | 195       | 21900              | 112             | cree         | 75       | 4000   | meanwell | >50000             |
| MXHB-05-250W      |       | 245       | 27685              | 113             | cree         | 75       | 4000   | meanwell | >50000             |
| MXHB-05-300W      |       | 300       | 33600              | 112             | cree         | 75       | 4000   | meanwell | >50000             |
| MXHB-05-400W      |       | 380       | 42950              | 113             | cree         | 75       | 4000   | meanwell | >50000             |
| MXHB-05-60W-VERO  |       | 60        | 6660               | 111             | bridgelux    | 75       | 4000   | meanwell | >50000             |
| MXHB-05-100W-VERO |       | 100       | 11000              | 110             | bridgelux    | 75       | 4000   | meanwell | >50000             |
| MXHB-05-150W-VERO |       | 150       | 16200              | 108             | bridgelux    | 75       | 4000   | meanwell | >50000             |

housing finish color (jet black RAL9005 or aluminum grey RAL9007) need to be confirmed before an order  
 reflector angle (45°, 90° or 120°) need to be confirmed before an order  
 different Ra(75/80/85/90), CCT(2500-6500K) and lumen required need to contact sales representative separately  
 based on the same CRI, the lumen between 4000-6500K is the same, 2500-3500K will be 5%-8% lumen lower

the specified luminous flux value corresponds to the gross luminous flux of LED@ 25 °C, this is only a minimum flux and not a maximum. Mainlux may ship products in flux higher than above specified by the item number without advance notice with a tolerance of ±7% on flux and power, ±0.005 on chromaticity (CCx, CCy) and ±2 on CRI.

## Accessories

| item number | photo   | description   | net weight(kg) |
|-------------|---|---|----------------|
| MXAC-001    |  | link chain, steel,galvanized, link size 7x40.5mm,load capacity 56kg, packaging unit 1piece, 1,000 mm length         | 0.10           |
| MXAC-002    |  | mounting bracket,aluminum mounting, bracket,galvanized, lengthx widthx height: 410x60x285mm,packaging unit: 1 piece | 1.80           |

| Technical datasheet         |  |
|-----------------------------|--|
| LED                         | cree xte S2/S3 LED<br>bridgelux vero LED |
| Colour consistency (SDCM)   | 4  |
| Beam angle (°)              | 45 / 90 / 120                            |
| UGR                         | <22                                      |
| Integrated driver (Yes /No) | Yes                                      |
| Surge voltage resistance    | 4KV(10KV available)                      |
| Power factor                | >0.95                                    |
| Dimmable                    | Yes ( Dali / 0-10V)                      |
| Driver failure rate         | - 35 ~ +50°C 10-90% RH                   |
| Operation temperature       | 25°C 10-90% RH                           |
| Storage environment         | - 35 ~ +55°C                             |
| On / off cycles (times)     | 50,000                                   |

| Approval                                      |                        |
|---|------------------------|
| Impact resistance rating inclosed system (IK) | 08                     |
| Protection rating in closed system (IP)       | 65                     |
| Glow wire test                                | 850°C                  |
| Insulation class                              | I                      |
| Certification                                 | CE, RoHS TUV compliant |

| Electrical connection      |  |
|----------------------------|--|
| System nominal voltage (V) | AC100-240 AC100-305 (AC127-431)<br>(American only) |
| Frequency (Hz)             | 50/60  |
| THD                        | < 15%  |

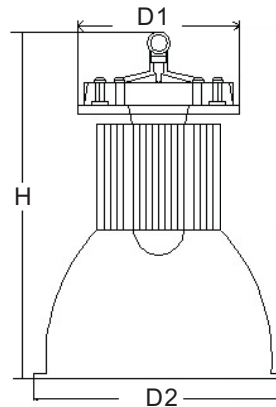
| Mechanical properties        |   |
|------------------------------|---|
| Housing material             | die-casting aluminum                            |
| Optical material             | tempered glass                                  |
| Colour of finish for housing | jet black (RAL 9005)<br>aluminum grey (RAL9007) |
| Cable                        | 3(5) x0.75mm                                    |
| Reflector material           | aluminum  |

## Product & packaging information

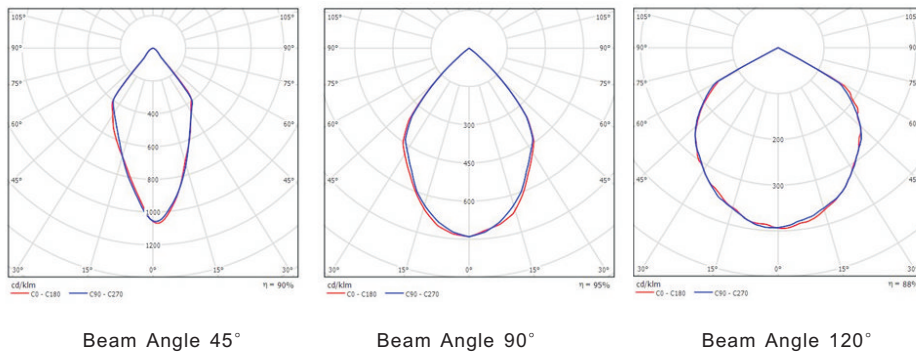
| Item number    | Item dimension (D1xD2xHmm) | Net weight (kg) | Packging information |                            |                   |
|----------------|----------------------------|-----------------|----------------------|----------------------------|-------------------|
|                |                            |                 | pcs / carton         | carton dimension (LxWxHmm) | gross weight (kg) |
| MXHB-05-150W   | 420x273x517                | 6.30            | 2                    | 590x310x335                | 14.56             |
| MXHB-05-200W   | 420x273x567                | 7.48            | 2                    | 590x310x465                | 17.26             |
| MXHB-05-250W   | 420x273x617                | 10.60           | 2                    | 590x310x465                | 23.50             |
| MXHB-05-300W   | 420x273x632                | 10.70           | 1                    | 380x370x500                | 12.10             |
| MXHB-05-400W   | 420x273x712                | 12.14           | 1                    | 380x370x600                | 13.90             |
| MXHB-05-60W    | 420x273x482                | 4.66            | 2                    | 590x310x335                | 11.28             |
| MXHB-05-100W   | 420x273x482                | 5.50            | 2                    | 590x310x335                | 12.96             |
| MXHB-05-150W   | 420x273x517                | 6.30            | 2                    | 590x310x335                | 14.56             |
| 45° reflector  | ***                        | 0.55            | 25                   | 460x460x510                | 16.08             |
| 90° reflector  | ***                        | 0.55            | 8                    | 560x540x400                | 6.00              |
| 120° reflector | ***                        | 0.50            | 25                   | 560x540x400                | 16.20             |

This is current standard parameter, as technology improved, we keep right to improve above information.

## Dimension drawing (mm)



## Photometric data



## Installation & maintenance warning

- ☆ Please strictly according the usage manual to ensure the security of product performance.
- ☆ Please make sure power-off during the process of installation and maintenance !
- ☆ Do not change or modify any parts of product without contact engineer from manufacturer.
- ☆ Please connect the lamp to an effective grounding system to make sure the safety.
- ☆ In order to avoid any danger, the cable or suspension wire must be removed and installed by manufacturer, technical service center or qualified worker.
- ☆ Dispose the lamp specially when the product is not longer use.
- ☆ Please use soft cloth with soap or neutral detergent to clean lamp. Please do not use alcohol or paint thinner !
- ☆ We keep the right to inform you if any change of product.