



OPTIONS:



DC Sensor



Remote control



Reflector

Specifications

| Model No | | AST-HB18B-100W F1B1T2C1-BH35/40/50KWD | AST-HB18B-150W F1B1T2C1-BH50KS | AST-HB18B-150W F1B1T2C1-BH35/40/50KWD | AST-HB18B-200W F1B1T2C1-BH35/40/50KWD | AST-HB18B-240W F1B1T2C1-BH35/40/50KWD |
|-------------------|-----------------------|--|-----------------------------------|--|--|--|
| OPTICAL | Power | 100W/80W/60W ADJ | 150W | 150W/130W/110W ADJ | 200W/180W/160W ADJ | 240W/210W/180W ADJ |
| | Lumen | 13500-15000LM | 21000LM | 20250-22500LM | 27000-30000LM | 32400-36000LM |
| | Lumen Efficacy | 135-150LM/W | 140LM/W | 135-150LM/W | 135-150LM/W | 135-150LM/W |
| | Viewing Angle | 90° | 90° | 90° | 90° | 90° |
| | CCT | 3500K/4000K/5000K (Adjustable) | 5000K | 3500K/4000K/5000K (Adjustable) | 3500K/4000K/5000K (Adjustable) | 3500K/4000K/5000K (Adjustable) |
| | CRI | >80 | >80 | >80 | >80 | >80 |
| ELECTRICAL | Input Voltage | 120-347VAC 50/60Hz | 120-347VAC 50/60Hz | 120-347VAC 50/60Hz | 120-347VAC 50/60Hz | 120-347VAC 50/60Hz |
| | PF | ≥0.9 | ≥0.9 | ≥0.9 | ≥0.9 | ≥0.9 |
| | THD | ≤20% | ≤20% | ≤20% | ≤20% | ≤20% |
| | Driver Model | Fahold | Fahold | Fahold | Fahold | Fahold |
| MATERIALS | LED Type | SMD2835 (0.5W) | SMD2835 (0.5W) | SMD2835 (0.5W) | SMD2835 (0.5W) | SMD2835(0.5W) |
| | LED QTY | 320 PCS | 234 PCS | 480 PCS | 640 PCS | 800 PCS |
| | Housing | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy |
| | Cover | Clear PC cover | Clear PC cover | Clear PC cover | Clear PC cover | Clear PC cover |
| | Waterproof Rating | WET (IP65) | WET (IP65) | WET (IP65) | WET (IP65) | WET(IP65) |
| OTHERS | Operating Temperature | -40°C TO 50°C | -40°C TO 50°C | -40°C TO 50°C | -40°C TO 50°C | -40°C TO 50°C |
| | Operating Humidity | 10%-90% RH | 10%-90% RH | 10%-90% RH | 10%-90% RH | 10%-90% RH |
| | Storage Temperature | -40°C TO 80°C | -40°C TO 80°C | -40°C TO 80°C | -40°C TO 80°C | -40°C TO 80°C |
| | Storage Humidity | 10%-95% RH | 10%-95% RH | 10%-95% RH | 10%-95% RH | 10%-95% RH |
| | Warranty Time | 5 Years | 5 Years | 5 Years | 5 Years | 5 Years |

ADVANTAGE

- UL cUL certificate.
- IP65 driver, input voltage 120-347VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.

APPLICATION

- Warehouse, factory and workshops;
- Highway toll station and gas station;
- Exhibition hall;
- Gymnasium and supermarkets, etc.

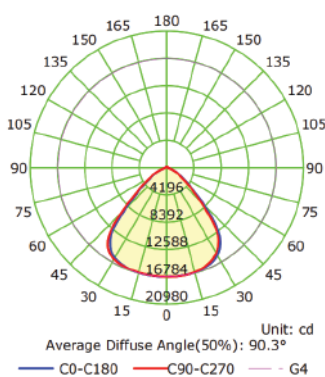


LIGHT DISTRIBUTION TESTING PARAMETERS (150W)

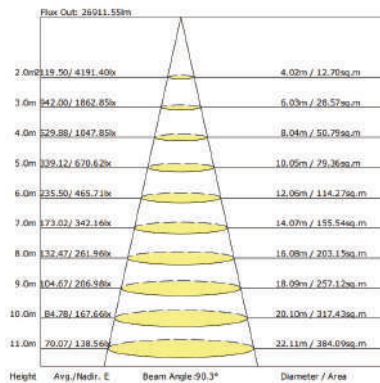
Photometric Results

| | |
|---|-------------------------------------|
| CIE Class: Direct | Total Rated Lamp Lumens: 22671.3 lm |
| Measurement Flux: 22671.3 lm | Efficiency: 100% |
| Downward Ratio: 99% | Upward Ratio: 1% |
| Horizontal Diffuse Angle(10%,50%): H127,H90.1 | |
| Vertical Diffuse Angle(10%,50%): V127.5,V89.9 | |
| Luminaire Efficacy Rating (LER): 149.89 | Central Intensity: 10824.27 cd |
| Max. Intensity: 10825.47 cd | Pos of Max. Intensity: H22.5 V2 |
| S/MH(C0/C180): 1.37 | S/MH(C90/C270): 1.37 |

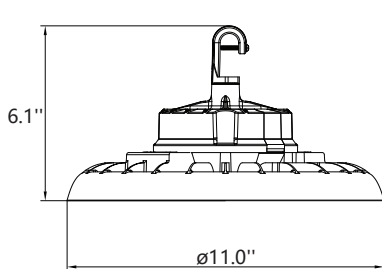
Luminous Intensity Distribution Curve



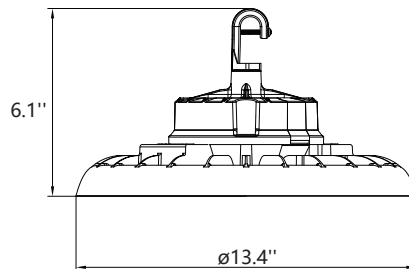
The Average Illuminance Effective Figure



DIMENSIONS



100-150W



200-240W

