Run Bison MEUHB-100/125/150-40/50K-S

Run Bison LED High Bay Light

Model: MEUHB-100/125/150-40/50K-S

Instruction Manual

1. Safety Information

Please read and understand all instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- Installation should be performed by a qualified electrician.
- Disconnect power at the circuit breaker before installation or servicing.
- Ensure the supply voltage is compatible with the fixture's requirements (120-277V).
- Do not handle energized fixtures with wet hands.
- This product is UL Listed, indicating compliance with safety standards.
- Do not modify the fixture. Any modifications may void the warranty and create safety hazards.

2. Package Contents

Verify that all components are present before beginning installation:

- LED UFO High Bay Light (x8 for 8-pack)
- Pre-assembled Hook

Note: Optional accessories such as U-brackets, PC covers, bottom lids, and plug wires are sold separately.

3. Product Overview

The Run Bison LED High Bay Light is designed for commercial and industrial applications, offering adjustable power, color temperature, and motion sensing capabilities.



Figure 3.1: LED UFO High Bay Light with adjustable wattage, lumen, CCT, and dimming features.

- **Adjustable Power:** Selectable wattage settings of 100W, 125W, or 150W.
- **High Brightness:** Delivers 14000lm (100W), 17500lm (125W), or 21000lm (150W).
- **Color Temperature (CCT) Selectable:** Choose between 4000K (Cool White) and 5000K (Daylight).
- **0-10V Dimmable:** Compatible with 0-10V dimming systems for adjustable light output.
- **Integrated Motion Sensor:** PIR induction sensor for automatic light control.
- **Durable Construction:** Aluminum alloy body with anti-corrosion coating and IP66 waterproof rating.
- **Efficient Heat Dissipation:** Unique heat sink design prevents overheating.
- **Visual Comfort:** UGR<28 ensures a comfortable visual experience.



Figure 3.2: Product features highlighting water resistance, heat dissipation, and durable construction.

4. Specifications



Figure 4.1: Product dimensions and key components.

Feature	Specification
Model Number	MEUHB-100/125/150-40/50K-S
Power (Adjustable)	100W / 125W / 150W
Luminous Flux (Adjustable)	14000lm / 17500lm / 21000lm
Color Temperature (CCT)	4000K / 5000K
Input Voltage	120-277V
Dimming	0-10V Dimmable
Motion Sensor Range	30-49 ft
Material	Aluminum Alloy, Polycarbonate Lens
IP Rating	IP66 (Suitable for damp locations)

Feature	Specification
Product Dimensions (L x W x H)	10.4" x 10.4" x 7.1"
Weight	14.2 Pounds (for 8-pack total)
Certifications	UL, DLC, FCC
Mounting Type	Hook Mounting (Pre-assembled)

5. Setup and Installation

This fixture comes with a pre-assembled hook for easy hanging installation. Ensure the mounting surface can support the weight of the fixture.



Figure 5.1: Suggested installation heights and illumination areas.

1. **Power Disconnection:** Before any installation, ensure the main power supply to the installation area is turned off at the circuit breaker.

2. **Mounting:**
    - For hook mounting, securely attach the pre-assembled hook to a suitable ceiling structure.
    - *Optional:* If using a U-bracket (sold separately), follow the bracket's instructions for surface mounting.
3. **Wiring:**
    - Connect the fixture's power wires to the building's electrical supply according to local electrical codes.
    - For 0-10V dimming functionality, connect the dimming wires (typically purple and gray) to a compatible 0-10V dimmer switch. Ensure proper polarity.
    - All connections must be secure and insulated.
4. **Power On:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

Suggested Installation Heights:

- **100W:** 10-13 ft (approx. 26 ft diameter illumination)
- **125W:** 13-16 ft (approx. 33 ft diameter illumination)
- **150W:** 16-20 ft (approx. 39 ft diameter illumination)

6. Operating Instructions

The LED High Bay Light features adjustable power, color temperature, and an integrated motion sensor for optimized performance.

6.1. Adjusting Wattage and Color Temperature (CCT)

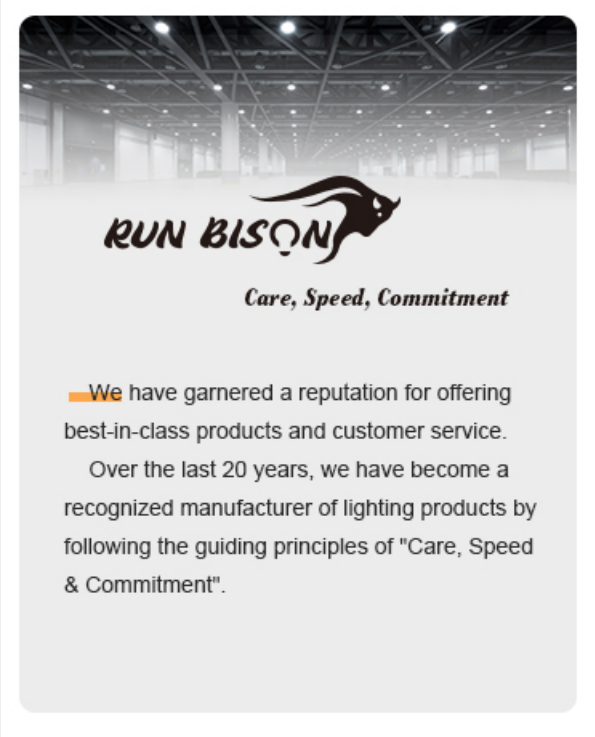


Figure 6.1: Power and CCT selection switches.

Before powering on the fixture, locate the small selector switches on the side of the driver housing. These switches allow you to set the desired wattage and color temperature.

- **Wattage Selection:** Use the 'Power Tunable' switch to select between 100W, 125W, or 150W.
- **CCT Selection:** Use the 'CCT Tunable' switch to select between 4000K (Cool White) or 5000K (Daylight).

Note: Ensure power is disconnected before adjusting these switches to prevent electrical hazards.

6.2. Motion Sensor Operation



Figure 6.2: Motion sensor detection range.

The integrated PIR motion sensor detects movement within a range of 30 to 49 feet.

- **Factory Default Setting:**
  - Motion sensor has a 40-second startup time after power-on.
  - When no motion is detected for 5 minutes, the light dims to 30% brightness.
  - After an additional 60 minutes without motion, the light turns off completely.
- **Customization:** The motion sensor settings can be customized using a remote controller (sold separately). Refer to the remote controller's manual for detailed programming instructions.

6.3. 0-10V Dimming



Figure 6.3: 0-10V dimming compatibility.

The fixture supports 0-10V dimming, allowing for smooth brightness adjustment when connected to a compatible 0-10V dimmer switch. The dimming range is typically from 10% to 100% of the selected brightness.

- Ensure the 0-10V dimming wires are correctly connected to the dimmer switch during installation.
- Operate the dimmer switch to adjust the light output to your desired level.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your LED High Bay Light.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents. Ensure the fixture is off and cool before cleaning.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Pay attention to the mounting hardware and wiring.
- **Heat Sink:** Ensure the heat sink fins are free from dust and debris to maintain efficient thermal management.



Water Resistance



Heat Dissipation

8. Troubleshooting

If you encounter issues with your LED High Bay Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty fixture.	Check circuit breaker and power connections. Verify wiring. If problem persists, contact support.
Light flickers or dims unexpectedly.	Incompatible dimmer; loose dimming wires; power fluctuations.	Ensure dimmer is 0-10V compatible. Check dimming wire connections. Consult an electrician for power stability.
Motion sensor not detecting movement.	Incorrect sensor settings; obstruction; sensor malfunction.	Check sensor settings (if using remote). Ensure clear line of sight. Contact support if sensor is faulty.
Light stays on or off.	Motion sensor settings; continuous motion.	Review motion sensor hold time and dimming settings. Ensure no constant motion in detection area.

9. Warranty and Support

This Run Bison LED High Bay Light is covered by a**5-year manufacturer's warranty** from the date of purchase.

The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, abuse, accidents, or unauthorized modifications.

For technical assistance, warranty claims, or replacement services, please contact Run Bison customer support. Have your model number and purchase date available when contacting support.

Contact information can typically be found on the product packaging or the official Run Bison website.

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