

LED HIGH BAY(MHB05)



DESCRIPTION

High bay is the ideal light source for energy efficient, low maintenance lighting in large Spaces. Designed with durability and functionality in mind, LED lighting options are versatile and suitable to meet most long-term lighting needs. MHB05 provides ultra-high luminous flux and is suitable for large indoor environments with gaps of more than 30 feet. Its excellent luminous efficiency is favored by customers. The MHB05 offers not only a selectable beam Angle, but also a level 4 lumen output, and 2 installation methods to make the installation process more convenient, effectively reducing the number of SKUs and the difficulty of selection, making it an ideal lighting solution for industrial and manufacturing applications, and is your LED replacement for up to 1000W MH fixtures.



SPECIFICATION

Construction

- Durable, die-cast aluminum housing with heat dissipating fins.
- Dark bronze polyester powder-coat finish.
- Easy access to the driver compartment from the face.
- The housing is completely sealed, providing excellent protection against moisture and environmental contaminants.

Optics

- Efficiency higher than 171lm/W, designed to replace 750W and 1000W MH while consumes 350W and 410W.
- Light engines are available in standard 4000K, 5000K configurations.
- 120 degree lens guarantees light intensity and light uniformity.
- Optional 90° beam angle provides more lighting possibilities.
- Precision designed individual optical lenses provide the best combination of vertical and horizontal lighting for better uniformity while increasing visual comfort.

Electrical

- Universal 120-277 VAC or 347-480 VAC input voltage.
- 0-10V dimming standard for a dimming range of 100% to 10%.
- Both drivers have a power factor >90%, THD <20%.
- Each model can be adjusted four watts :100%, 80%, 60%, 40%
- Operating temperature is -40°C (-40°F) to 55°C (131°F) when Wattage is above 300W (Max. 65°C (149°F) for 300W and below).

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Control

- Optional PIR Sensor or Bluetooth Smart Control Sensor available further energy-saving.
- The standard sensor receptacle can quickly install sensors on site.
- Wattage Adjustment Dial allows more flexibility to suit for higher ambient or various light output requirement.

Installation

- Hook mount (default).
- Conduit Pendant Mount (option).
- U-Bracket Mount (option).

Certification

- UL cUL wet location qualified.
- DesignLights Consortium™ Qualified.
Note: Please refer to the DLC website for specific product qualifications at www.designlights.org.

Warranty

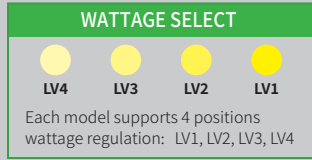
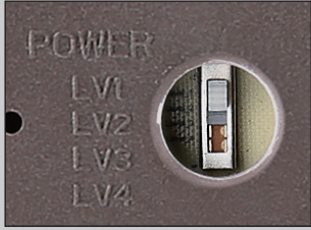
- 5-year limited warranty.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C(±5°C) specifications subject to change without notice.

WATTAGE SELECTABLE

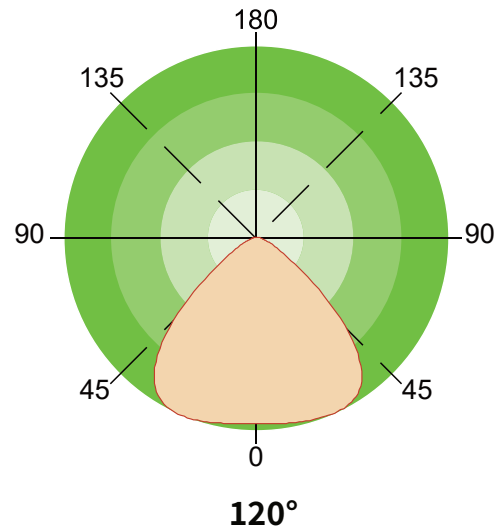
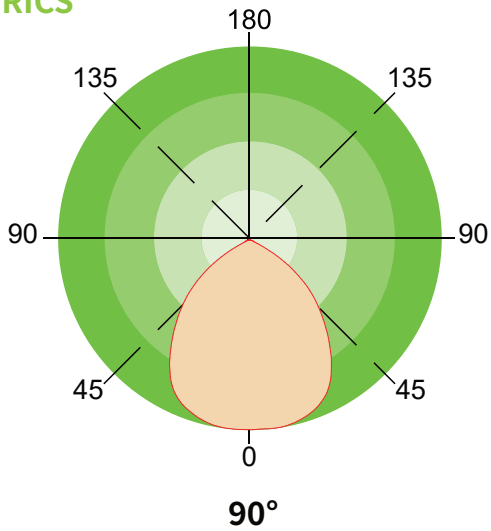
This fixture has the function of adjusting the lumens output on-site.



Plug-and-Play Sensor (optional)

Sensor allows for security and energy saving.

PHOTOMETRICS



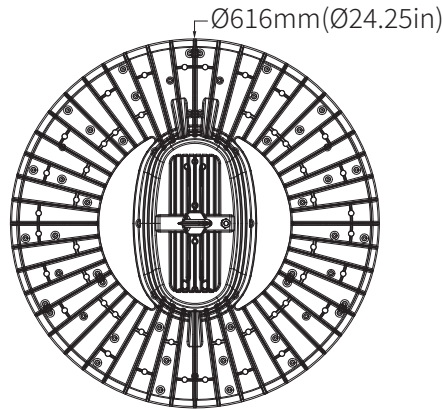
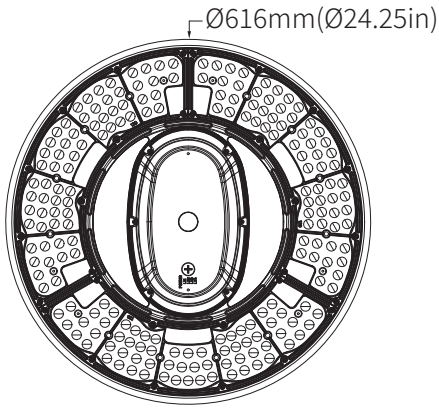
PERFORMANCE DATA

MHB05350W (90°/120°)					
SETTING	CRI	350W			TEMPERATURE
		SYSTEM WATTS	LUMENS	LPW	
100%	70	350W	62000lm	177lm/W	55°C
80%	70	280W	51000lm	182lm/W	65°C
60%	70	210W	39000lm	186lm/W	65°C
40%	70	140W	26600lm	190lm/W	65°C

MHB05410W (90°/120°)					
SETTING	CRI	410W			TEMPERATURE
		SYSTEM WATTS	LUMENS	LPW	
100%	70	410W	72000lm	176lm/W	55°C
80%	70	328W	59000lm	180lm/W	55°C
60%	70	246W	45500lm	185lm/W	65°C
40%	70	164W	31000lm	189lm/W	65°C

DIMENSION

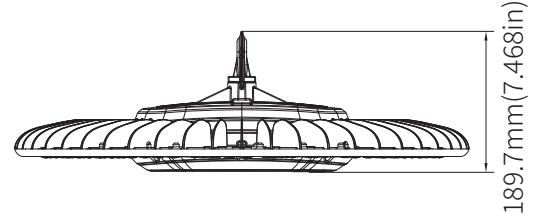
unit: mm/inch





Weight:

350W: 7.858kg(17.324lbs)


410W: 8.833kg(19.473lbs)



ACCESSORIES (OPTIONAL)

	
Plug-and-Play PIR Sensor 10-15VDC input voltage Plug-in PIR sensor ; Preset for 5min hold time, 30 min standby time at 30% dim. daylight disabled.	Plug-and-Play Bluetooth PIR Sensor 10-15VDC input voltage Plug-in Bluetooth PIR sensor ; Sensor and Fixture controller for HAISEN system

MOUNTING

	Hook Mount
	Conduit Pendant Mount

ORDERING GUIDE

Example: MHB05350W27V50KYYYYY

Fixture Type	Wattage	Voltage	CCT	Finish	Sensor (Option)	Beam Angle	Adjustment Dial (Option)	Surge Protector (Option)	Internal Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MHB05 High Bay	350W 410W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K	D Dark Bronze B Black W White	M With Sensor Blank Without Sensor	F Adjustable Beam Angle	AD With Adjustment Dial Blank Without Adjustment Dial	S Surge Protector Blank Without Surge Protector	Blank Alphanumeric

MESTER LED LIMITED

P: +86 755 28173385

Email: sales@szmester.com

3rd F, Section B, Building A, Sunshine Industrial Park, Hezhou, Xixiang, Bao' an District, Shenzhen China.

Specifications are subject to change without notice.

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