

LED HIGH BAY

MHB10



MHB10 continues the compact design concept of its predecessor, MHB08, making full use of LED technology and excellent heat dissipation management. While ensuring product versatility and high quality, MHB10 also reduces budget costs. MHB10 is a rare circular high bay with DIP switches on the surface of the luminaire, supporting on-site adjustment of light output and color temperature without the need for any disassembly. The adjustment can be easily completed by simply flipping the DIP switches, greatly enhancing product flexibility and convenience.

SPECIFICATION FEATURES

Construction

- Casting thermally conducts LED heat to optimize performance and long life.
- With corrosion-resistant powder coating that provides protection and architectural appearance while adapting well to the environment.

Optics

- Light engines are available in color tunable version, the CCT can be changed to three CCTs (3000K, 4000K, 5000K) or two CCTs (4000K, 5000K).
- Scalable Lumen Packages from 11,500 to 31,000 Lumens.
- Anti-UV prismatic translucent lens is designed to shape the light uniformity and controls the glare light.

Electrical

- Universal 120-277VAC or 120-347VAC or 347/480V input voltage.
 - 0-10V dimming standard for a dimming range of 100% to 10%.
 - PF >90%, THD <20%, 6KV surge protection.
 - Operating Temperature Range: -40°C to 50°C (-40°F - + 122°F).
- Note: Operating with emergency battery temperature range: 5°C to 50°C (+41°F - + 122°F).

Installation

- Hook mount(default)
- Pendant mount(No additional adaptor is required for installation)
- Surface mount(sold separately)



Controls

- Optional Occupancy sensor or Microwave sensor or daylight sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Silvair Luminaire Level Lighting Control (LLLC) optional.
- Sharkward Luminaire Level Lighting Control (LLLC) optional.
- Also compatible with 3rd party smart network control system.
- Optional for Emergency Battery Backup.
- Standard sensor receptacle.

Lifespan

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

Warranty

- Five-year limited warranty.

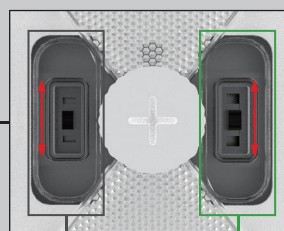
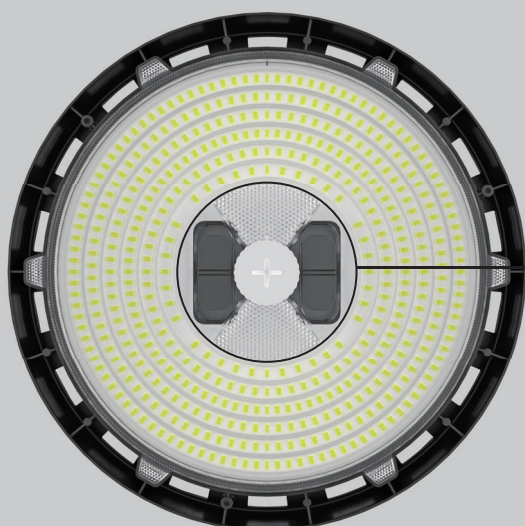
Certifications

- UL cUL wet location listed.
- DesignLights Consortium™ Qualified.

Note: Please refer to the DLC website for specific product qualifications at www.designlights.org.

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.



CCT AND WATTAGE SELECTABLE
This fixture has the function of adjusting the lumens output and color temperature on-site.

CCT SELECT



Offer three CCT adjustable (3000K, 4000K, 5000K) or two CCT adjustable (4000K, 5000K)

WATTAGE SELECT



Each model supports 4 positions wattage regulation: 100%, 80%, 60%, 40%

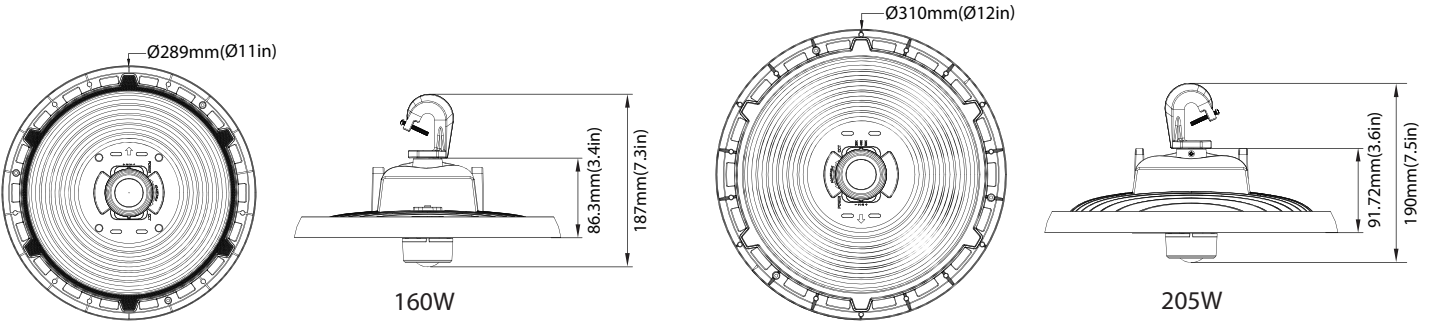
PERFORMANCE DATA

MHB10 160W							
SETTING	SYSTEM WATTS	3000K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	160W	26200lm	164 lm/W	27500lm	172 lm/W	27000lm	169 lm/W
80%	128W	21600lm	169lm/W	22700lm	177 lm/W	22300lm	174 lm/W
60%	96W	16700lm	174lm/W	17500lm	182 lm/W	17200lm	179 lm/W
40%	64W	11500lm	179lm/W	12000lm	187 lm/W	11800lm	184 lm/W

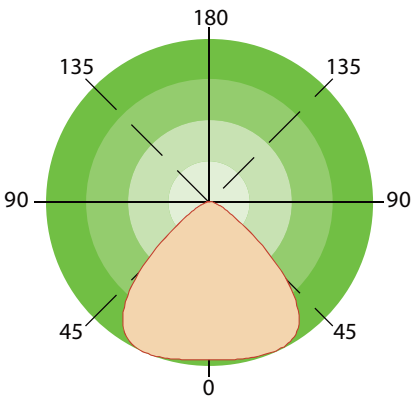
MHB10 205W							
SETTING	SYSTEM WATTS	3000K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	205W	30100lm	147 lm/W	31000lm	151 lm/W	30200lm	148 lm/W
80%	164W	24900lm	152 lm/W	25600lm	156 lm/W	25100lm	153lm/W
60%	123W	19300lm	157 lm/W	19900lm	162 lm/W	19400lm	158 lm/W
40%	82W	13300lm	162 lm/W	13600lm	166 lm/W	13400lm	163 lm/W

DIMENSION

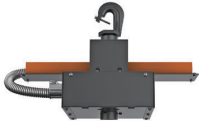







unit: mm/inch



PHOTOMETRICS



ACCESSORIES (Optional)

			
Emergency Battery 25W 3500lm 90min, suit for 205W. 15W 2000lm 90min, suit for 160W	Plug-and-Play PIR Sensor PIR sensor: MSANT12VPH01 Bluetooth PIR sensor: MSANT12VPHB01	Plug-and-Play Microwave Sensor Microwave sensor: MSANT12VMH01 Bluetooth microwave sensor: MSANT12VMH01	U-Bracket Use for surface mount
			
Aluminum Reflector		PC Reflector	

Note: Main Stocking sensor's SKU: MSANT12VPHB01.

ORDERING GUIDE									Example: MHB10160W27VDDKBMBAD3
Fixture Type	Wattage	Voltage	CCT	Finish	Sensor (Option)	Emergency Battery (Option)	CCT and Power Adjustable	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"/>	
MHB10 High Bay Series	160W 205W	27V 120-277V 34V 120-347V 48V 347-480V	DDK Adjustable color temperature	B Black D Dark Bronze W White	M With Sensor Blank Without Sensor	B With Emergency Battery Blank Without Emergency Battery	AD With Adjustment Dial Blank Without Adjustment Dial	Blank Alphanumeric 2 With 2 CCTs Dial 3 With 3 CCTs Dial	