



ILLUMINATING US
lighting

LED LINEAR HIGH BAY

TYPE: _____



LOCATION



The Illuminating US IMLH06 series is a basic, low-budget warehouse and high-bay lighting fixture. The linear, compact design allows the IMLH06 to maintain a stylish and aesthetically pleasing appearance while maintaining durability and saving up to 66% in energy costs compared to conventional light sources. An excellent thermal management system effectively extends the life of the fixture, making it ideal for warehousing, large indoor spaces, retail and commercial applications.



SPECIFICATION FEATURES

Construction

- Rugged cold-rolled steel plate corrosion-resistant housing.
- Ultra-Compact, Sturdy Design saves freight and space on lifts and racks during installation.
- Visual comfortable light comes from a simple contour.

Optics

- Lumen output from 15,000-31,000lm with efficacy up to 158lm/W.
- Switchable color temperature 4000K/5000K.
- Semi-frosted Diffuser for max lumen output.
- Prismatic diffuser for least glare light.
- Frosted diffuser for best light uniformity.

Electrical

- Universal 120-277 VAC or 347/480 VAC input voltage.
- Wattage adjustable: 100%, 80%, 60%, 40%.
- 0-10V dimming driver standard for 10% to 100% dimming.
- 6KV surge protection.
- Operating temperature is -40°C to 50°C (-40°F to 122°F).

Note: Operating with emergency battery temperature range:
0°C to 50°C (+32°F- +122°F).

Warranty

- Five-year limited warranty.

Controls

- Optional for PIR sensor.
- Optional for Bluetooth sensor.
- Optional for Emergency Battery Backup.

Mounting

- Steel wire rope mount (default).
- Pendant mount (option).
- Surface mount (option).

Lifespan

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

Certifications

- UL cUL damp 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.

Power and CCT controller

The wattage and CCT can be changed by switch selection on the controller, provides quick and easy on-the-spot reconfiguring, eliminating any go-backs.

Emergency Battery

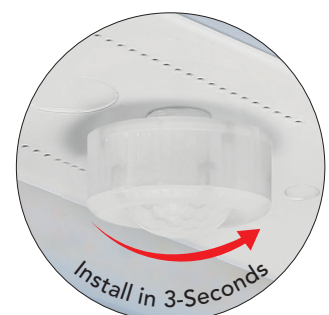
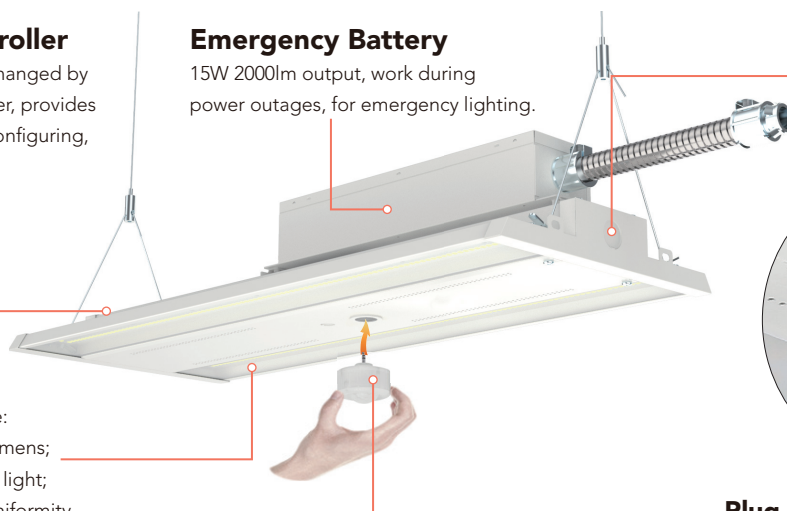
15W 2000lm output, work during power outages, for emergency lighting.

Threaded Conduit

Support wires coming from the hole for easier wire connections.

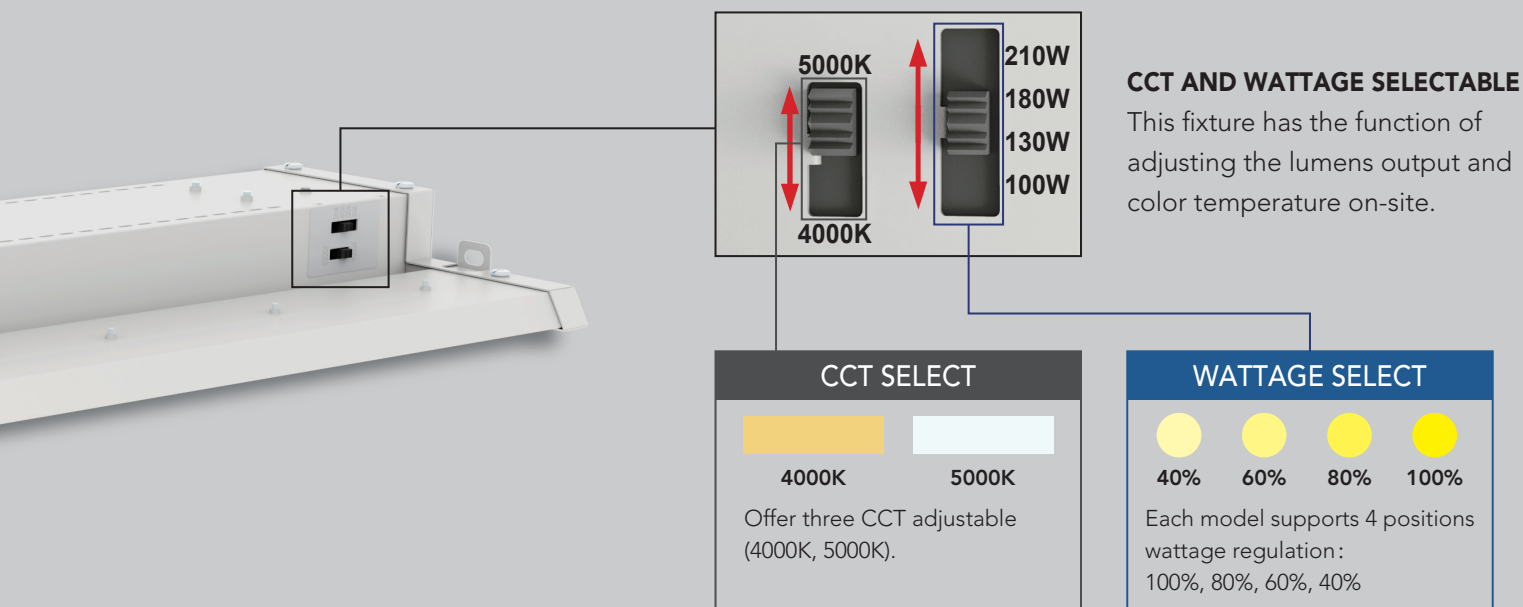
Diffuser Panel

3 types of diffusers are available:
Semi-frosted diffuser for max lumens;
Prismatic diffuser for least glare light;
Frosted diffuser for best light uniformity.



Plug-and-Play Sensor

Sensor allows for security and energy saving.



PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	LENS	LUMENS 4000 K(CRI70)	LPW 4000 K(CRI70)	LUMENS 5000 K(CRI70)	LPW 5000 K(CRI70)
210W	120-277VAC	Semi-frosted Diffuser	30000lm	143lm/W	30000lm	143lm/W
		Prismatic Diffuser	30000lm	143lm/W	30000lm	143lm/W
		Frosted Diffuser	27300lm	130lm/W	27300lm	130lm/W
225W	347/480VAC	Semi-frosted Diffuser	31000lm	138lm/W	31000lm	138lm/W
		Prismatic Diffuser	31000lm	138lm/W	31000lm	138lm/W
		Frosted Diffuser	29500lm	131lm/W	29500lm	131lm/W

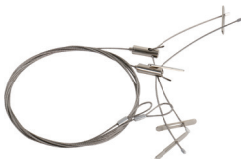
ADJUSTABLE LUMEN OUTPUT TABLE

SETTING	SYSTEM WATTS	VOLTAGE	LENS	4000K(CRI70)		5000K(CRI70)	
				LUMENS	LPW	LUMENS	LPW
100%	210W	120-277VAC	Semi-frosted Diffuser	30000lm	142lm/W	30000lm	142lm/W
			Prismatic Diffuser	30000lm	142lm/W	30000lm	142lm/W
	225W	347/480VAC	Semi-frosted Diffuser	31000lm	138lm/W	31000lm	138lm/W
			Prismatic Diffuser	31000lm	138lm/W	31000lm	138lm/W
80%	180W	120-277VAC	Semi-frosted Diffuser	25000lm	145lm/W	25000lm	145lm/W
			Prismatic Diffuser	25000lm	145lm/W	25000lm	145lm/W
	185W	347/480VAC	Semi-frosted Diffuser	26000lm	141lm/W	26000lm	141lm/W
			Prismatic Diffuser	26000lm	141lm/W	26000lm	141lm/W
60%	130W	120-277VAC	Semi-frosted Diffuser	20000lm	155lm/W	20000lm	155lm/W
			Prismatic Diffuser	20000lm	155lm/W	20000lm	155lm/W
	140W	347/480VAC	Semi-frosted Diffuser	20500lm	146lm/W	20500lm	146lm/W
			Prismatic Diffuser	20500lm	146lm/W	20500lm	146lm/W
40%	90W	120-277VAC	Semi-frosted Diffuser	13600lm	158lm/W	13600lm	158lm/W
			Prismatic Diffuser	13600lm	158lm/W	13600lm	158lm/W
	100W	347/480VAC	Semi-frosted Diffuser	15000lm	150lm/W	15000lm	150lm/W
			Prismatic Diffuser	15000lm	150lm/W	15000lm	150lm/W

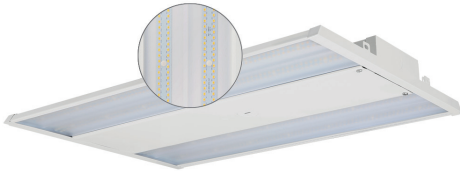
ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1060	210	120	1.75
		210	208	1.01
		210	240	0.88
		210	277	0.76
		225	347	0.65
		225	480	0.47

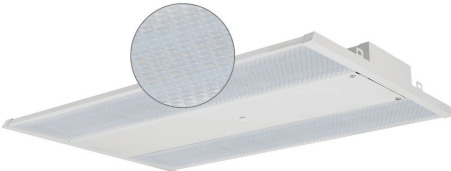
ACCESSORIES (Optional)

			
PIR Sensor, 120-277V PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR	Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR	Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR	
			
Emergency Battery Backup USE: 15W, 2000lm, 90min.	Steel Wire Rope USE: Chain mounting.	Pendant Hanger USE: Pendant with 3/4" conduit.	Wire Guards

DIFFUSER OPTIONS



Semi-frosted Diffuser (High efficacy)



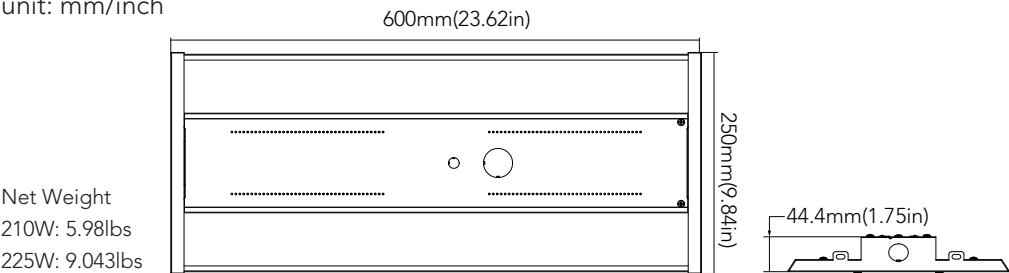
Prismatic Diffuser (Low glare)



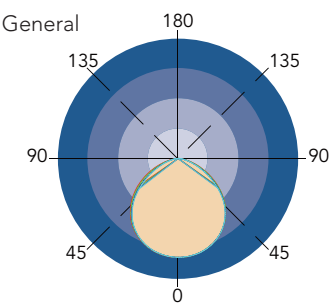
Frosted Diffuser (Soft light)

DIMENSION

unit: mm/inch



PHOTOMETRICS



ORDERING GUIDE

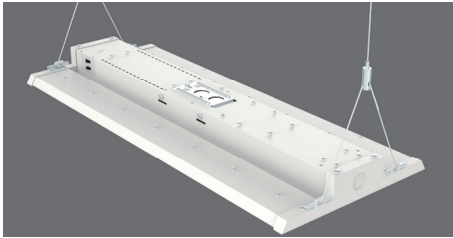
Example: IMLH06210W27VDDKYYYYY

	Fixture Type	Wattage	Voltage	CCT	Lens	Sensor (Option)	Backup Battery (Option)	Surge Protector	Internal Code
IUS									
I	MLH06 Linear high bay series	210W 225W	27V 120-277V 48V 347/480V	DDK Adjustable color temperature	CD Semi-frosted Diffuser PD Prismatic Diffuser FD Frosted Diffuser	M PIR Sensor Blank Without Sensor	B Emergency Battery Blank Without Emergency Battery	S With Surge Protector Blank Without Surge Protector	Blank Alphanumeric

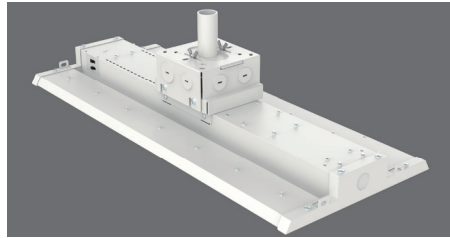
Note: 1. Pendant and surface mounting are not supporting with emergency battery.

2. 210W model is in 120-277V , it's 225W in 347/480V.

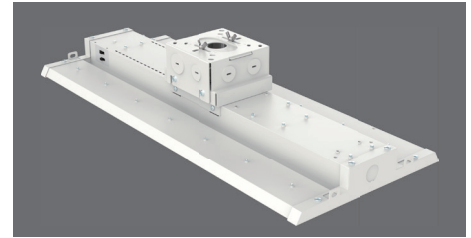
MOUNTING



Mounting With Steel Wire Rope



Conduit Pendant Mount



Surface Mounting