

LED LINEAR HIGH BAY CLLLH06



The CLLLH06 series is a basic, low-budget warehouse and high-bay lighting fixture. The linear, compact design allows the MLH06 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

- Semi-frosted Diffuser for max lumen output.
- Prismatic diffuser for least glare light.
- The aisle optics for a excellent vertical illumination in areas such as aisles.

Electrical

- Universal 120-277 VAC or 347/480 VAC input voltage.
- 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).

Controls

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

Threaded Conduit

Support wires coming from the hole for easier wire connections.

Emergency Battery

Work during power outages, for emergency lighting.

Housing

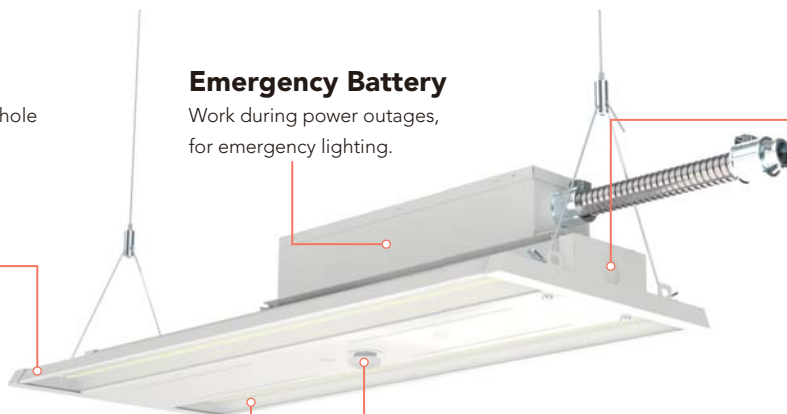
Advanced thermal management aluminum alloy with white coat finish. Available for pendant mount or sling mount.

Diffuser Panel

3 types of diffusers are available:
Semi-frosted diffuser for max lumens;
Prismatic diffuser for least glare light;
The aisle optics for a excellent vertical illumination in areas such as aisles.

PIR Sensor

Optional PIR sensor allows for security and energy saving.



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.

Warranty

- Five-year limited warranty.

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.

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	LENS	4000K(CRI70)		5000K(CRI70)		DLC
			LUMENS	LPW	LUMENS	LPW	
90W	120-277VAC 347-480VAC	Semi-frosted Diffuser	12700lm	141 lm/W	12700lm	141 lm/W	Standard
		Prismatic Diffuser	12500lm	139 lm/W	12500lm	139 lm/W	Premium
		Aisle Optic	12500lm	139 lm/W	12500lm	139 lm/W	/
130W	120-277VAC	Semi-frosted Diffuser	18600lm	143 lm/W	18600lm	143 lm/W	Standard
		Prismatic Diffuser	18000lm	138 lm/W	18000lm	138 lm/W	Premium
		Aisle Optic	18000lm	138 lm/W	18000lm	138 lm/W	/
145W	347/480VAC	Semi-frosted Diffuser	19100lm	132 lm/W	19200lm	132 lm/W	Standard
		Prismatic Diffuser	20000lm	138 lm/W	20000lm	138 lm/W	Premium
		Aisle Optic	20000lm	138 lm/W	20000lm	138 lm/W	/
175W	120-277VAC	Semi-frosted Diffuser	25000lm	143 lm/W	25000lm	143 lm/W	Standard
		Prismatic Diffuser	25000lm	143 lm/W	25000lm	143 lm/W	Premium
		Aisle Optic	25000lm	143 lm/W	25000lm	143 lm/W	/
185W	347/480VAC	Semi-frosted Diffuser	25300lm	137 lm/W	25300lm	137 lm/W	Standard
		Prismatic Diffuser	26000lm	141 lm/W	26000lm	141 lm/W	Premium
		Aisle Optic	26000lm	141 lm/W	26000lm	141 lm/W	/
210W	120-277VAC	Semi-frosted Diffuser	30600lm	146 lm/W	30600lm	146 lm/W	Standard
		Prismatic Diffuser	30500lm	145 lm/W	30500lm	145 lm/W	Premium
		Aisle Optic	30500lm	145 lm/W	30500lm	145 lm/W	/
220W	347/480VAC	Semi-frosted Diffuser	31000lm	141 lm/W	31000lm	141 lm/W	Standard
		Prismatic Diffuser	31000lm	141 lm/W	31000lm	141 lm/W	Premium
		Aisle Optic	31000lm	141 lm/W	31000lm	141 lm/W	/
270W	120-277VAC	Semi-frosted Diffuser	37000lm	137 lm/W	37000lm	137 lm/W	Standard
		Prismatic Diffuser	38000lm	141 lm/W	38000lm	141 lm/W	Premium
		Aisle Optic	38000lm	141 lm/W	38000lm	141 lm/W	/
278W	347/480VAC	Semi-frosted Diffuser	37500lm	135 lm/W	37500lm	135 lm/W	Standard
		Prismatic Diffuser	38500lm	138 lm/W	38500lm	138 lm/W	Premium
		Aisle Optic	38500lm	138 lm/W	38500lm	138 lm/W	/
300W	120-277VAC	Semi-frosted Diffuser	41500lm	138 lm/W	41500lm	138 lm/W	Standard
		Prismatic Diffuser	42000lm	140 lm/W	42000lm	140 lm/W	Premium
		Aisle Optic	42000lm	140 lm/W	42000lm	140 lm/W	/
310W	347/480VAC	Semi-frosted Diffuser	42000lm	135 lm/W	42000lm	135 lm/W	Standard
		Prismatic Diffuser	42800lm	138 lm/W	42800lm	138 lm/W	Premium
		Aisle Optic	42800lm	138 lm/W	42800lm	138 lm/W	/

ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	850	90	120	0.75
		90	208	0.43
		90	240	0.38
		90	277	0.32
1	2400	90	347	0.26
		90	480	0.19
1	1200	130	120	1.08
		130	208	0.63
		130	240	0.54
		130	277	0.47
		145	347	0.42
		145	480	0.30
1	1060	175	120	1.46
		175	208	0.84
		175	240	0.73
		175	277	0.63
		185	347	0.53
		185	480	0.39
1	1060	210	120	1.75
		210	208	1.01
		210	240	0.88
		210	277	0.76
		220	347	0.63
		220	480	0.46
2	2400	270	120	2.25
		270	208	1.30
		270	240	1.13
		270	277	0.97
		278	347	0.80
		278	480	0.58
2	2400	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		310	347	0.89
		310	480	0.65

OPTICS OPTIONS

Various optics diffusers and mounting options covering all your application needs.



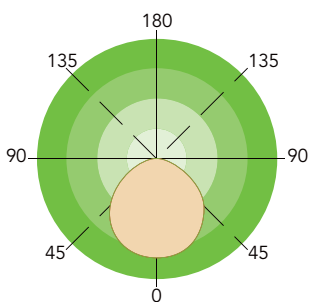
Semi-frosted Diffuser (High efficacy)



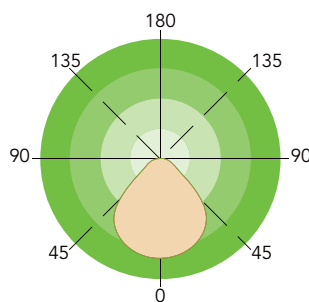
Prismatic Diffuser (Low glare)



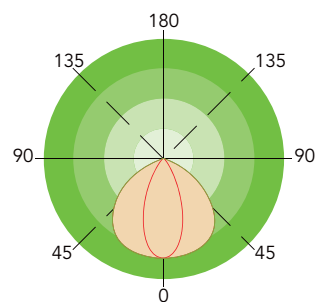
Textured Diffuser (Aisle Optic)



General Optic



General Optic



Aisle Optic

DIMENSION

unit: mm/inch

Weight:

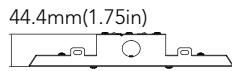
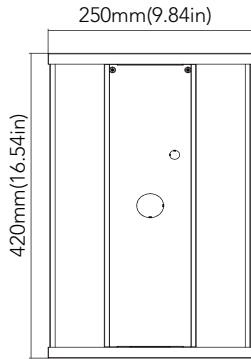
90W: 2.1kg(4.63 lbs)

130W: 2.1kg(4.63 lbs)

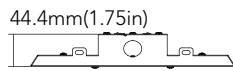
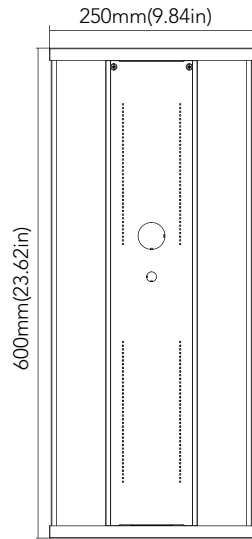
175W: 2.57kg(5.67 lbs)

210W: 2.86kg(6.30 lbs)

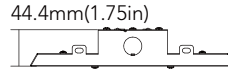
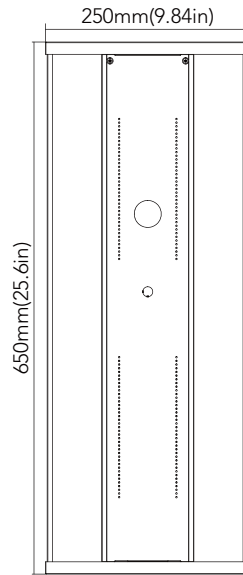
270W/300W: 4.09kg(9.02 lbs)



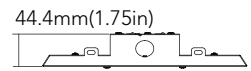
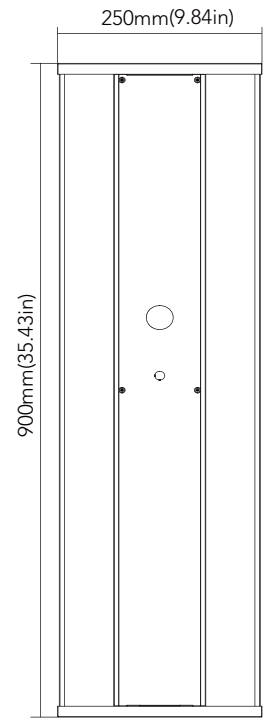
90W/130W



175W

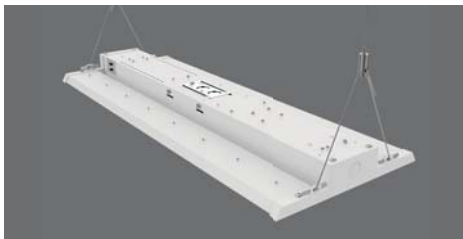


210W



270W/300W

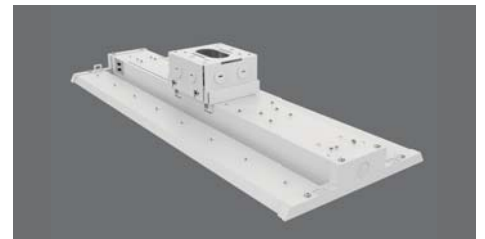
MOUNTING



Mounting With Steel Wire Rope



Conduit Pendant Mount



Surface Mounting

ACCESSORIES (Optional)

			
<p>PIR Sensor, 120-277V PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR</p>	<p>Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR Suit for 210W</p>	<p>Emergency Battery Backup USE: 8W, 900lm, 90min, suite for 90W, 130W.</p>	<p>Emergency Battery Backup USE: 15W, 2000lm, 90min, suite for 175W, 210W, 270W, 300W.</p>
			
<p>Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR Suit for 210W</p>	<p>Steel Wire Rope USE: Chain mounting.</p>	<p>Pendant Hanger USE: Pendant with 3/4" conduit.</p>	<p>Wire Guards</p>

ORDERING GUIDE

Example: CLLLH06210W27V50KYYYYY

Fixture Type	Wattage	Voltage	CCT	Lens	Sensor (Option)	Backup Battery (Option)	Surge Protector	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"/>
CLLLH06 Linear high bay series	90W 130W 145W 175W 185W 210W 220W 270W 278W 300W 310W	27V 120-277V 48V 347/480V	40K 4000K 50K 5000K	CD Semi-frosted Diffuser PD Prismatic Diffuser AL Aisle Optic	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 isn't supported with emergency battery.
 2. 90W and 130W suit for 8W Emergency Battery; 175W, 210W, 300W suit for 15W Emergency Battery.
 3. The Watt is 130W when the voltage is 120-277V, while when it is 347V/480V, the watt is 145W.
 4. The Watt is 175W when the voltage is 120-277V, while when it is 347V/480V, the watt is 185W.
 5. The Watt is 210W when the voltage is 120-277V, while when it is 347V/480V, the watt is 220W.
 6. The Watt is 270W when the voltage is 120-277V, while when it is 347V/480V, the watt is 278W.
 7. The Watt is 300W when the voltage is 120-277V, while when it is 347V/480V, the watt is 310W.