

LED LINEAR HIGH BAY

LHB06  Bluetooth



The LHB06 series is a simple linear design of fixture, showing high energy efficiency and high performance on a low budget.

Compared to traditional light sources, it can save more than 60 percent of energy costs and significantly improve lighting performance.

The perfect combination of optics and design makes it a fixture that is both beautiful and practical. It also comes with a colored temperature adjustment function that allows it to capture the unique atmosphere of the scene, and an excellent thermal management system effectively extends the service 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

- Scalable lumen packages from 10,900 to 60,000 Lumens.
- Prismatic diffuser for least glare light.
- Aisle optics are designed for lighting long strips.
- Narrow optics are suitable for places with high requirements for lighting accuracy and illumination.
- This fixture has the function of adjusting the lumens output and color temperature on-site.

LED Module

- Light engine has color selectable version, CCT can be selected to 4000K/5000K.
- Light engines of 165W and 400W are available in standard color temperature (4000K/5000K) configurations.

Electrical

- Universal 120-277V AC input voltage.
- 0-10V dimming driver with 10%-100% dimming range.
- 6KV surge protection.
- PF >0.9, THD <20%
- Each model can be selectable four watts :100%, 80%, 60%, 40%.
- 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).

Control

- Optional Occupancy sensor, Microwave sensor, Multifunction Sensor or daylight sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Silvair Luminaire Level Lighting Control (LLLC) optional
- Sharkward Luminaire Level Lighting Control (LLLC) optional.
- Haisen Luminaire Level Lighting Control (LLLC) optional.
- Also compatible with 3rd party smart network control system.
- Compatible with high end trim.

Installation

- 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

- DLC ETL cETL damp location listed.

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 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

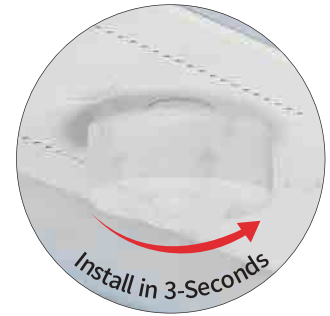
Optional for emergency lighting.

Threaded Conduit

Support wires coming from the hole for easier wire connections.

Diffuser Panel

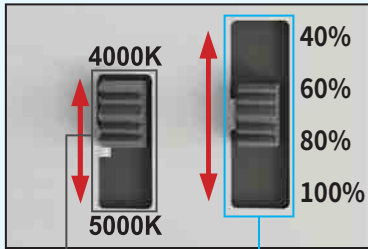
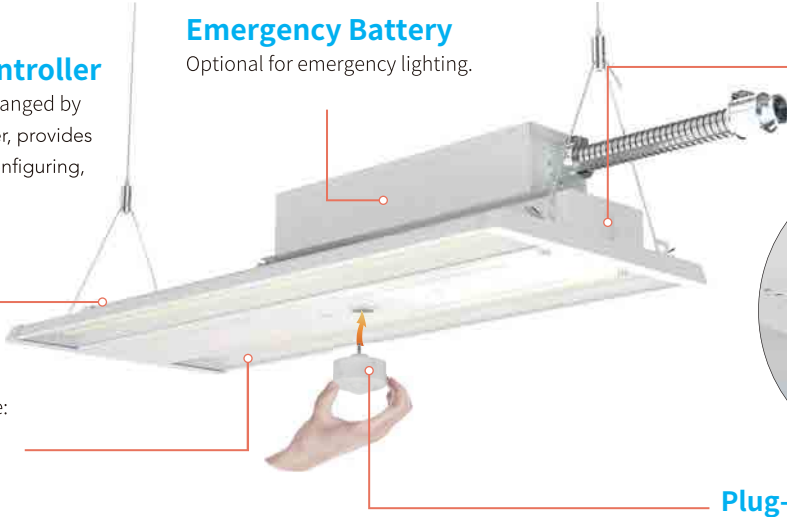
3 types of diffusers are available: Prismatic diffuser, Aisle Optics, Narrow Optics.



Install in 3-Seconds

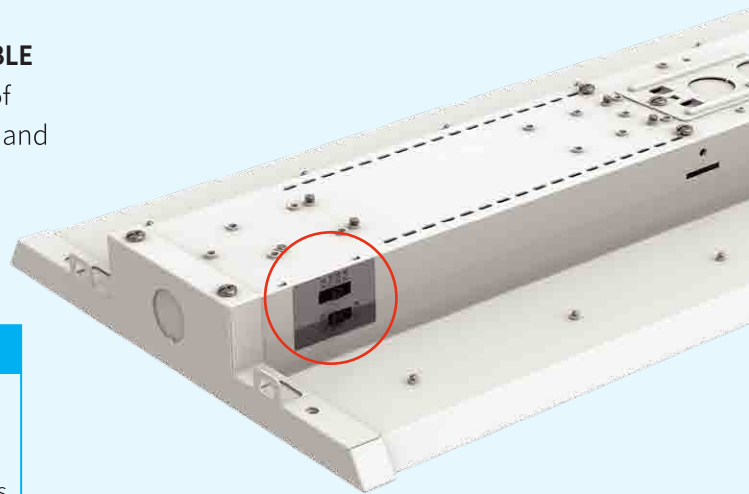
Plug-and-Play Sensor

Sensor allows for security and energy saving.



CCT AND WATTAGE SELECTABLE

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



CCT SELECT

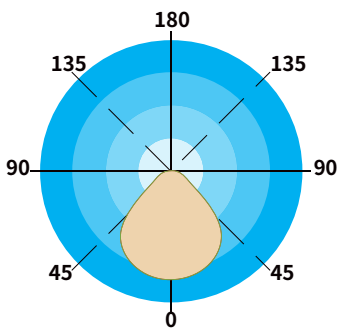
Offer two CCT adjustable (4000K, 5000K).

WATTAGE SELECT

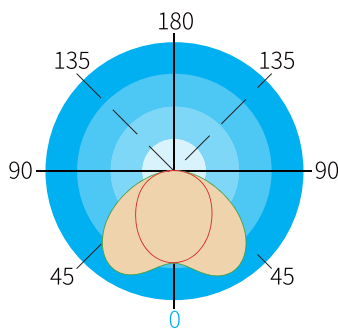
Each model supports 4 positions wattage regulation: 40%, 60%, 80%, 100%.

PHOTOMETRICS

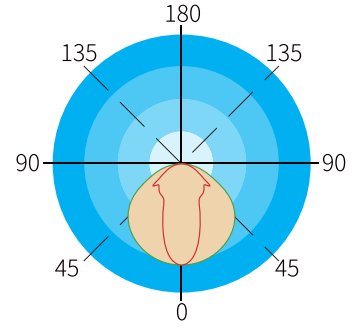
Various optics diffusers and mounting options covering all your application needs.



General Optic



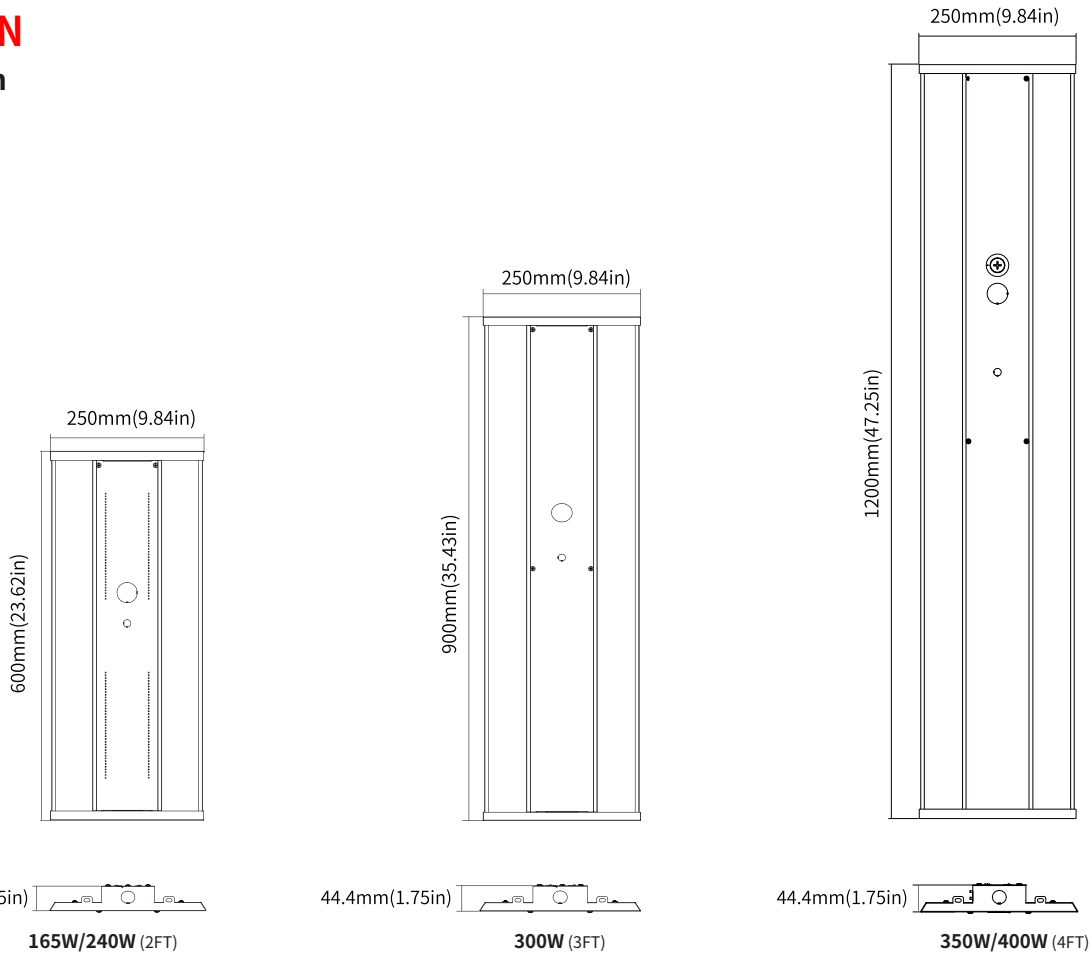
Aisle Optic



Narrow

DIMENSION

unit: mm/inch



PERFORMANCE DATA

NG-LHB06 165W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	165W	24500lm	148lm/W	24000lm	145lm/W
80%	132W	20000lm	152lm/W	19500lm	148lm/W
60%	100W	15700lm	157lm/W	15200lm	152lm/W
40%	70W	11500lm	164lm/W	10900lm	156lm/W

NG-LHB06 240W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	240W	35500lm	148lm/W	34800lm	145lm/W
80%	192W	29400lm	153lm/W	28800lm	150lm/W
60%	144W	22800lm	158lm/W	22200lm	154lm/W
40%	96W	15800lm	165lm/W	15400lm	160lm/W

NG-LHB06 300W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	300W	43000lm	143lm/W	42000lm	140lm/W
80%	240W	36000lm	150lm/W	35000lm	146lm/W
60%	180W	28000lm	156lm/W	27500lm	153lm/W
40%	120W	19500lm	163lm/W	19000lm	158lm/W

NG-LHB06 350W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	350W	53200lm	152lm/W	53200lm	152lm/W
80%	280W	44500lm	159lm/W	44500lm	159lm/W
60%	210W	35100lm	167lm/W	35100lm	167lm/W
40%	140W	24400lm	174lm/W	24400lm	174lm/W

NG-LHB06 400W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	400W	60000lm	150lm/W	60000lm	150lm/W
80%	320W	50000lm	156lm/W	50000lm	156lm/W
60%	240W	39000lm	163lm/W	39000lm	163lm/W
40%	160W	28000lm	175lm/W	28000lm	175lm/W

ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	740	165	120	1.38
		165	208	0.79
		165	240	0.69
		165	277	0.60
		165	347	0.48
		165	480	0.34








NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1392	240	120	2.00
		240	208	1.15
		240	240	1.00
		240	277	0.87
		240	347	0.69
		240	480	0.50

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1200	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63

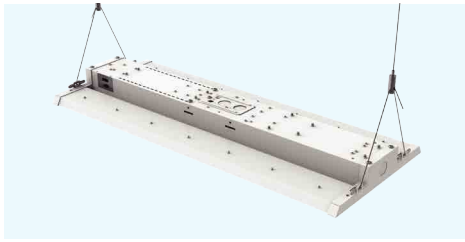
NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1392	350	120	2.92
		350	208	1.68
		350	240	1.46
		350	277	1.26
		350	347	1.01
		350	480	0.78

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1600	400	120	3.33
		400	208	1.92
		400	240	1.67
		400	277	1.44
		400	347	1.55
		400	480	0.83

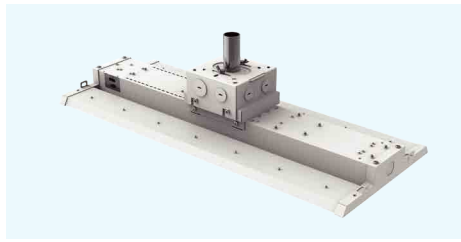
ACCESSORIES (Optional)

 <p>Emergency Battery Backup USE: 8W, 900lm, 90min. Suite for 130W. (Sold separately)</p>	 <p>Emergency Battery Backup USE: 15W, 2000lm, 90min. Suite for 165W, 210W, 300W. (Sold separately)</p>	 <p>Emergency Battery Backup USE: 24W, 3500lm, 90min. Suite for 330W, 400W. (Sold separately)</p>	 <p>Emergency Battery 30W, 4000lm, 90min, suite for 347-480V input voltage (Sold separately) Only suit for 130W, 165W, 210W .</p>
 <p>Plug-and-Play PIR Sensor PIR sensor: MHANT12VPH01 Bluetooth PIR sensor: MHANT12VPHB01 (Sold separately)</p>	 <p>Steel Wire Rope USE: Chain mounting.</p>	 <p>Pendant Hanger USE: Pendant with 3/4" conduit. (Sold separately)</p>	 <p>Wire Guards (Sold separately)</p>

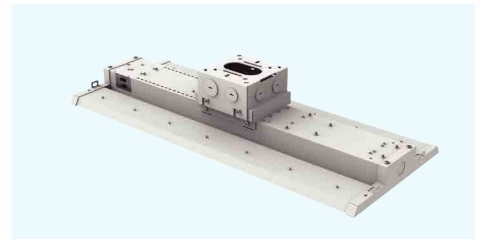
MOUNTING



Mounting With Steel Wire Rope



Conduit Pendant Mount



Surface Mounting

ORDERING GUIDE

Fixture Type	Wattage	Voltage	CCT	Lens	Sensor	Backup Battery	Surge Protector	Internal Code
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LHB06 Linear high bay series	165W 2FT 165Watts 240W 2FT 240Watts 300W 3FT 300Watts 350W 4FT 350Watts 400W 4FT 400Watts	27V 120-277V 48V 347-480V	DDK² Selectable color temperature 40K 4000K 50K 5000K	PD Prismatic Diffuser AL Aisle Optic ND Narrow Lens	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. CCT Selectable (4000K/5000K) and suit for 165W, 240W, 300W, 350W, 400W.