LED LINEAR HIGH BAY
MLH06

Bluetooth

MLH06 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 3,980 to 70,000 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 adjustable version, CCT can be adjusted to 4000K/5000K.
- Light engines of 330W and 400W are available in standard color temperature (4000K/5000K) configurations.

Electrical

- Universal 120-277VAC or 347-480VAC input voltage.
- 0-10V dimming driver standard for 10% to 100% dimming.
- 6KV surge protection.
- 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 to 50°C(-40°F to 122°F).

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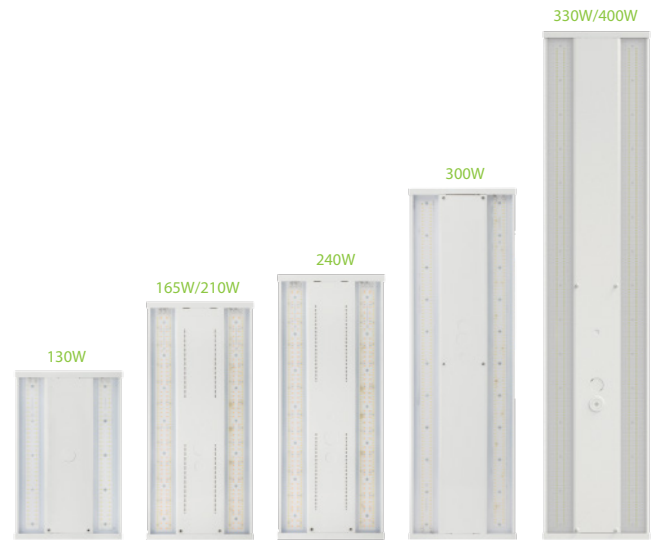
Control

- 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

- UL cUL 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.

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
Optional for emergency lighting.

Threaded Conduit
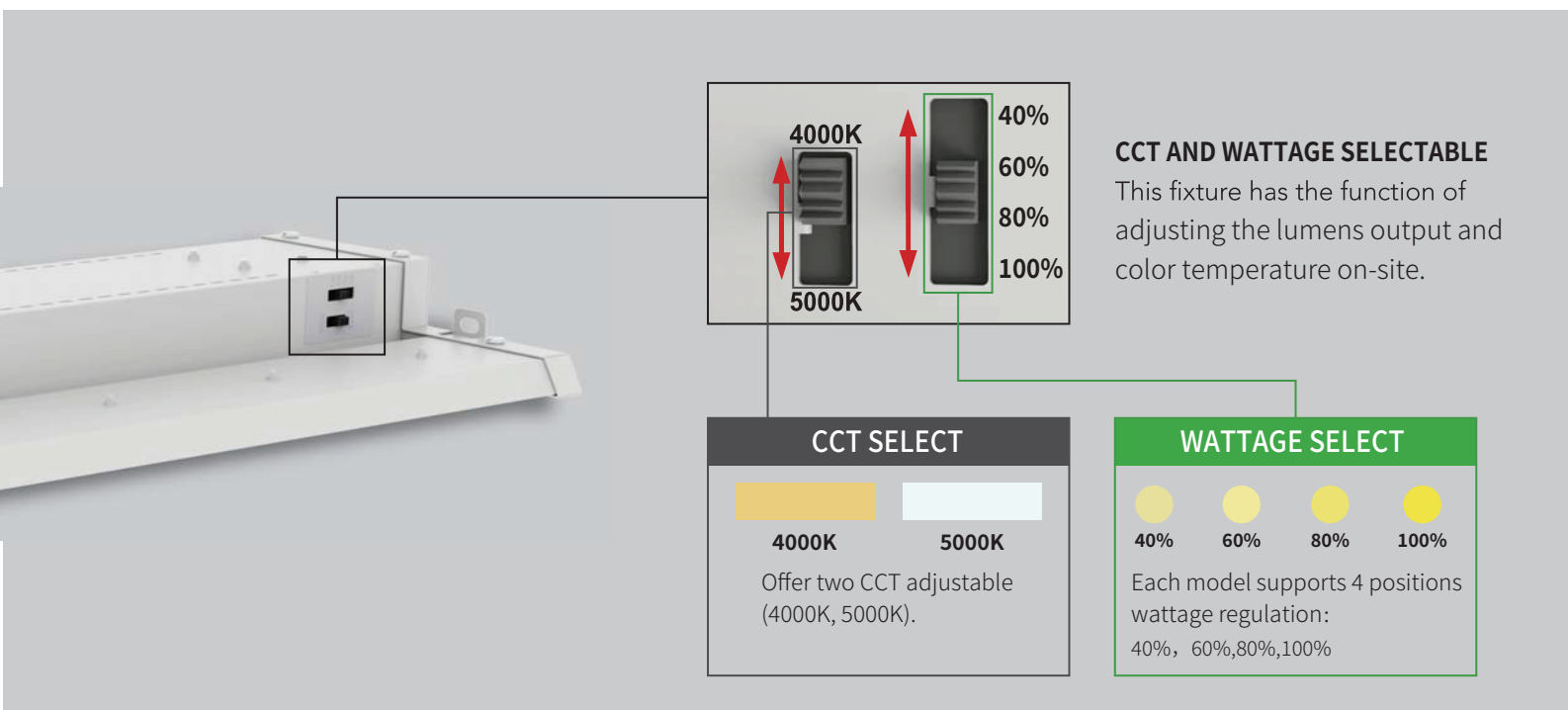Support wires coming from the hole for easier wire connections.

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.


4000K	40%
	60%
	80%
5000K	100%

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

CCT SELECT

| 4000K | 5000K |

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

WATTAGE SELECT

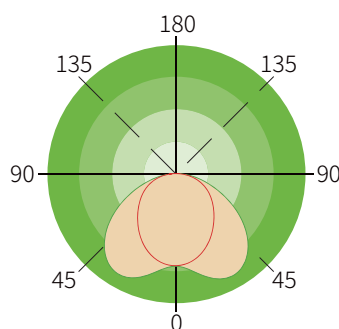| 40% | 60% | 80% | 100% |

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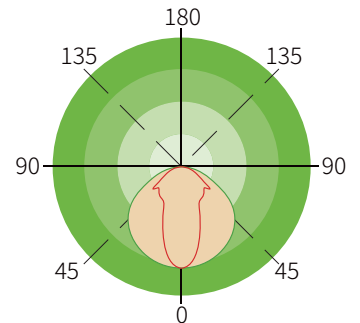40%，60%,80%,100%

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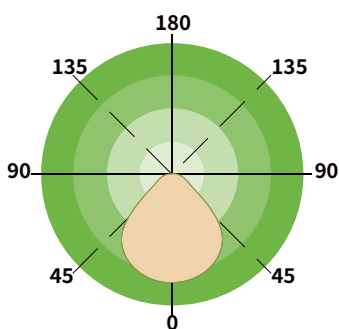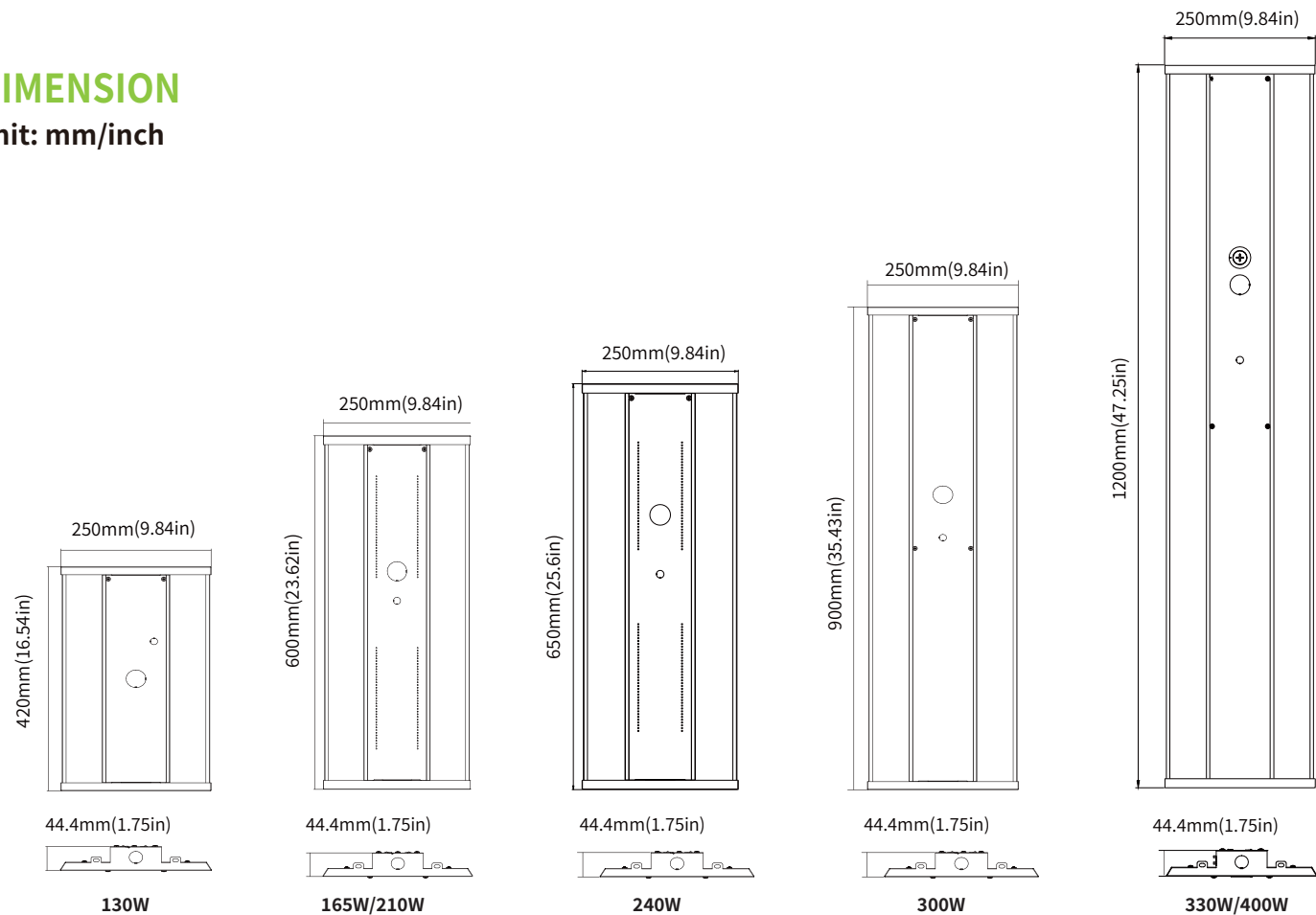
General Optic

Aisle Optic

Narrow

DIMENSION
unit: mm/inch

| 130W | 165W/210W | 240W | 300W | 330W/400W |

PERFORMANCE DATA

MLH06130W					
SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	130W	18600lm	143lm/W	18200lm	140lm/W
80%	104W	15500lm	149lm/W	15000lm	144lm/W
60%	78W	12000lm	154m/W	11600lm	149lm/W
40%	52W	8300lm	160lm/W	8000lm	154lm/W

MLH06165W					
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%	99W	15500lm	157lm/W	15000lm	152lm/W
40%	66W	10800lm	164lm/W	10300lm	156lm/W

MLH06210W					
SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	210W	31000lm	148lm/W	30500lm	145lm/W
80%	180W	27500lm	153lm/W	27000lm	150lm/W
60%	130W	20600lm	158lm/W	20000lm	154lm/W
40%	100W	16500lm	165lm/W	16000lm	160lm/W

MLH06240W

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	240W	37000lm	154lm/W	36000lm	150lm/W
80%	192W	30500lm	159lm/W	29500lm	154lm/W
60%	144W	23600lm	164lm/W	23000lm	160lm/W
40%	96W	16500lm	172lm/W	16000lm	167lm/W

MLH06300W

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

MLH06330W (Only for Single CCT)

SETTING	SYSTEM WATTS	4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	330W	50000lm	152lm/W	50000lm	152lm/W
80%	264W	42000lm	159lm/W	42000lm	159lm/W
60%	198W	33000lm	167lm/W	33000lm	167lm/W
40%	132W	23000lm	174lm/W	23000lm	174lm/W

MLH06400W (Only for Single CCT)

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	600	130	120	1.08
		130	208	0.63
		130	240	0.54
		130	277	0.47
		130	347	0.37
		130	480	0.27

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	1000	210	120	1.75
		210	208	1.01
		210	240	0.88
		210	277	0.76
		210	347	0.61
		210	480	0.44

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1080	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
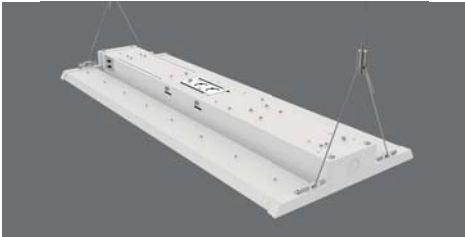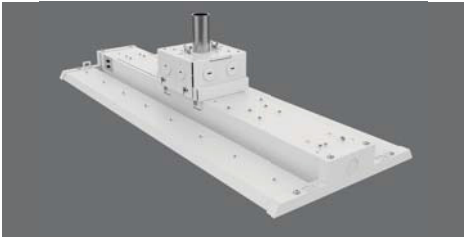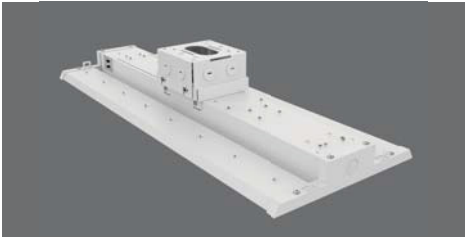
NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1392	330	120	2.75
		330	208	1.59
		330	240	1.38
		330	277	1.19
		330	347	0.95
		330	480	0.69

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)

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Emergency Battery Backup
USE: 8W, 900lm, 90min.
Suite for 130W.
(Sold separately)
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Emergency Battery Backup
USE: 15W, 2000lm, 90min.
Suite for 165W, 210W, 240W, 300W.
(Sold separately)
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Emergency Battery Backup
USE: 24W, 3500lm, 90min.
Suite for 330W, 400W.
(Sold separately)
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Emergency Battery
30W, 4000lm, 90min, suite for
347-480V input voltage (Sold separately)
Only suit for 130W, 165W, 210W, 240W.
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Plug-and-Play PIR Sensor
PIR sensor: MHANT12VPH01
Bluetooth PIR sensor: MHANT12VPHB01
(Sold separately)
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Steel Wire Rope
USE: Chain mounting.
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Pendant Hanger
USE: Pendant with
3/4" conduit.
(Sold separately)
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Wire Guards
(Sold separately)
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MOUNTING

Mounting With Steel Wire Rope

Conduit Pendant Mount

Surface Mounting

ORDERING GUIDE

Example: MLH06210W27VDDKYYYYY

Fixture Type	Wattage	Voltage	CCT	Lens	Sensor (Option)	Backup Battery (Option)	Surge Protector	Internal Code
MLH06 Linear high bay series	**130W** 130Watts **165W** 165Watts **210W** 210Watts **240W** 240Watts **300W** 300Watts **330W** 330Watts **400W** 400Watts	**27V** 120-277V **48V** 347-480V	**DDK**[2] Adjustable 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 Adjustable (4000K/5000K) and suit for 130W, 165W, 210W, 240W, 300W.