



LED LINEAR HIGH BAY · 130 – 300 W

Linear high bay

Four output levels and 4000 or 5000 K, set on site. Four sizes from 130 W to 300 W. Steel wire rope, pendant or surface mounting.

48,900_{lm}

LUMENS, 300 W AT 4000 K

178_{lm/W}

EFFICACY, 40% SETTING

50,000_h

ESTIMATED LED LIFE

120–277_v

INPUT · 347–480 V OPTION

PROJECT

TYPE

CATALOG NO.

DATE



Specification, features and options

Common to all models: 4000 / 5000 K · CRI 70 · 0–10 V dimming, 10%–100% · 6 kV surge protection · damp location · 50,000-hour rated life. Suitable for warehousing, large indoor spaces, retail and commercial applications.

CONSTRUCTION	Rugged cold-rolled steel housing, corrosion-resistant. Ultra-compact, sturdy design saves freight and space on lifts and racks during installation.	OPTICS	Prismatic diffuser for least glare, aisle optic for long strips, narrow lens for high lighting accuracy. Lumen packages from 9,300 to 48,900 lm; output levels and colour temperature preset on site.
CONTROLS	Optional occupancy, microwave, multifunction or daylight sensors. Bluetooth sensor or controller. Third-party smart network control and high-end trim compatible.	ENVIRONMENT	Damp location. Operating temperature –40 °C to 50 °C [–40 °F to 122 °F]; with emergency battery 0 °C to 50 °C [32 °F to 122 °F].
ELECTRICAL	Universal 120–277 V AC or 347–480 V AC. 6 kV surge protection. Power factor > 0.9, THD < 20%.	COLOUR	Selectable 4000 K or 5000 K. CRI 70.
OUTPUT	Four selectable levels per model: 100%, 80%, 60%, 40%; see Performance.	MOUNTING	Steel wire rope (default). Pendant and surface mount as options.
LIFE	Estimated 50,000 hours, based on IES LM-80 results and TM-21 calculations.	DIMMING	0–10 V driver, 10%–100%.
LISTINGS	UL and cUL damp location listed.	WARRANTY	5-year limited.

Features

Four output levels per model: 100%, 80%, 60%, 40%	0–10 V dimming, 10%–100%	Steel wire rope, pendant or surface mounting
4000 K or 5000 K selected on site	120–277 V or 347–480 V input	5-year limited warranty
Prismatic diffuser, aisle optic or narrow lens	6 kV surge protection	

Options and accessories



Emergency battery backup · B
8 W, 900 lm, 90 min: 130 W, 15 W, 2000 lm, 90 min: 165 W, 210 W, 300 W. 30 W, 4000 lm, 90 min: 130 W, 165 W, 210 W on 347–480 V input. Sold separately.



Plug-and-play PIR sensor · M
MSANT12VPH01; Bluetooth PIR MSANT12VPHS01 or MSANT12VPHG01. 100% sensitivity, hold 5 min, daylight threshold disabled, standby dimming 30%, dimming time 30 minutes. Sold separately.



Steel wire rope
For chain mounting.



Pendant hanger
For pendant mounting with 3/4 in conduit. Sold separately.



Wire guards
Sold separately.

Output data, every setting

Four output levels per model: 100%, 80%, 60% and 40%.

MLH06 130 W

70 CRI

		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW
100%	130 W	21200 lm	163 lm/W	20800 lm	160 lm/W
80%	104 W	17500 lm	168 lm/W	17200 lm	165 lm/W
60%	78 W	13500 lm	173 lm/W	13300 lm	170 lm/W
40%	52 W	9300 lm	178 lm/W	9100 lm	175 lm/W

MLH06 165 W

70 CRI

		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW
100%	165 W	27000 lm	163 lm/W	26400 lm	160 lm/W
80%	132 W	22200 lm	168 lm/W	21800 lm	165 lm/W
60%	99 W	17200 lm	173 lm/W	16900 lm	170 lm/W
40%	66 W	11800 lm	178 lm/W	11600 lm	175 lm/W

MLH06 210 W

70 CRI

		4000 K		5000 K	
SETTING	SYSTEM WATTS	LUMENS	LPW	LUMENS	LPW
100%	210 W	34300 lm	163 lm/W	33600 lm	160 lm/W
80%	180 W	30300 lm	168 lm/W	30000 lm	165 lm/W
60%	130 W	22500 lm	173 lm/W	22100 lm	170 lm/W
40%	100 W	17800 lm	178 lm/W	17500 lm	175 lm/W

Output data, electrical data and photometrics

MLH06 300 W

70 CRI

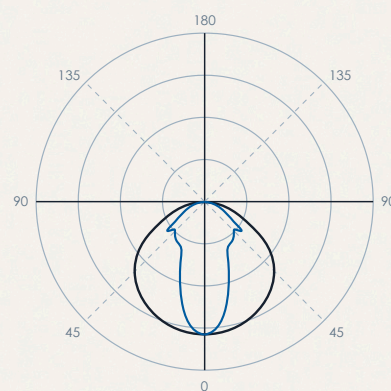
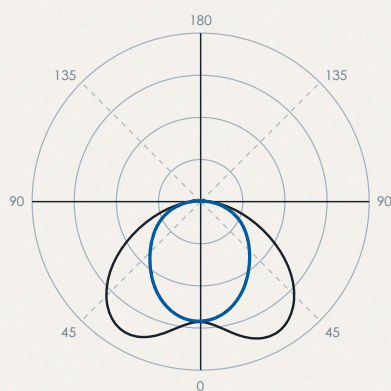
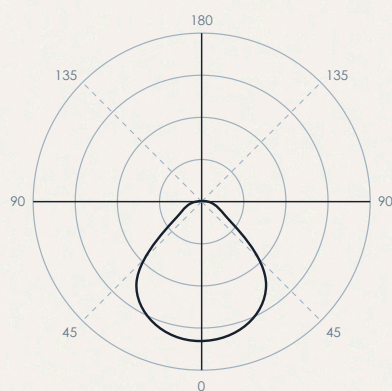
SETTING	SYSTEM WATTS	4000 K		5000 K	
		LUMENS	LPW	LUMENS	LPW
100%	300 W	48900 lm	163 lm/W	48000 lm	160 lm/W
80%	240 W	40400 lm	168 lm/W	39600 lm	165 lm/W
60%	180 W	31200 lm	173 lm/W	30600 lm	170 lm/W
40%	120 W	21400 lm	178 lm/W	21000 lm	175 lm/W

Drivers and input current

AMPS

NOMINAL POWER	DRIVER CURRENT	DRIVERS	120 V	208 V	240 V	277 V	347 V	480 V
130 W	600 mA	1	1.08 A	0.63 A	0.54 A	0.47 A	0.37 A	0.27 A
165 W	740 mA	1	1.38 A	0.79 A	0.69 A	0.60 A	0.48 A	0.34 A
210 W	1000 mA	1	1.75 A	1.01 A	0.88 A	0.76 A	0.61 A	0.44 A
300 W	1200 mA	1	2.50 A	1.44 A	1.25 A	1.08 A	0.86 A	0.63 A

Photometrics



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

Ordering guide

Catalog number breakdown

LEFT TO RIGHT

MLH06 – 210W – 27V – DDK – PD – M – B – S

	1	2	3	4	5	6	7	8
1	Series	MLH06			Linear high bay series			
2	Wattage	130W · 165W · 210W · 300W			130 – 300 watts			
3	Voltage	27V · 48V			120–277 V · 347–480 V			
4	CCT	DDK · 40K · 50K			selectable · 4000 K · 5000 K			
5	Lens	PD · AL · ND			prismatic diffuser · aisle optic · narrow lens			
6	Sensor	M			PIR sensor · blank = without sensor			
7	Backup battery	B			emergency battery · blank = without			
8	Surge protector	S			with surge protector · blank = without			
9	Internal code	blank			alphanumeric			

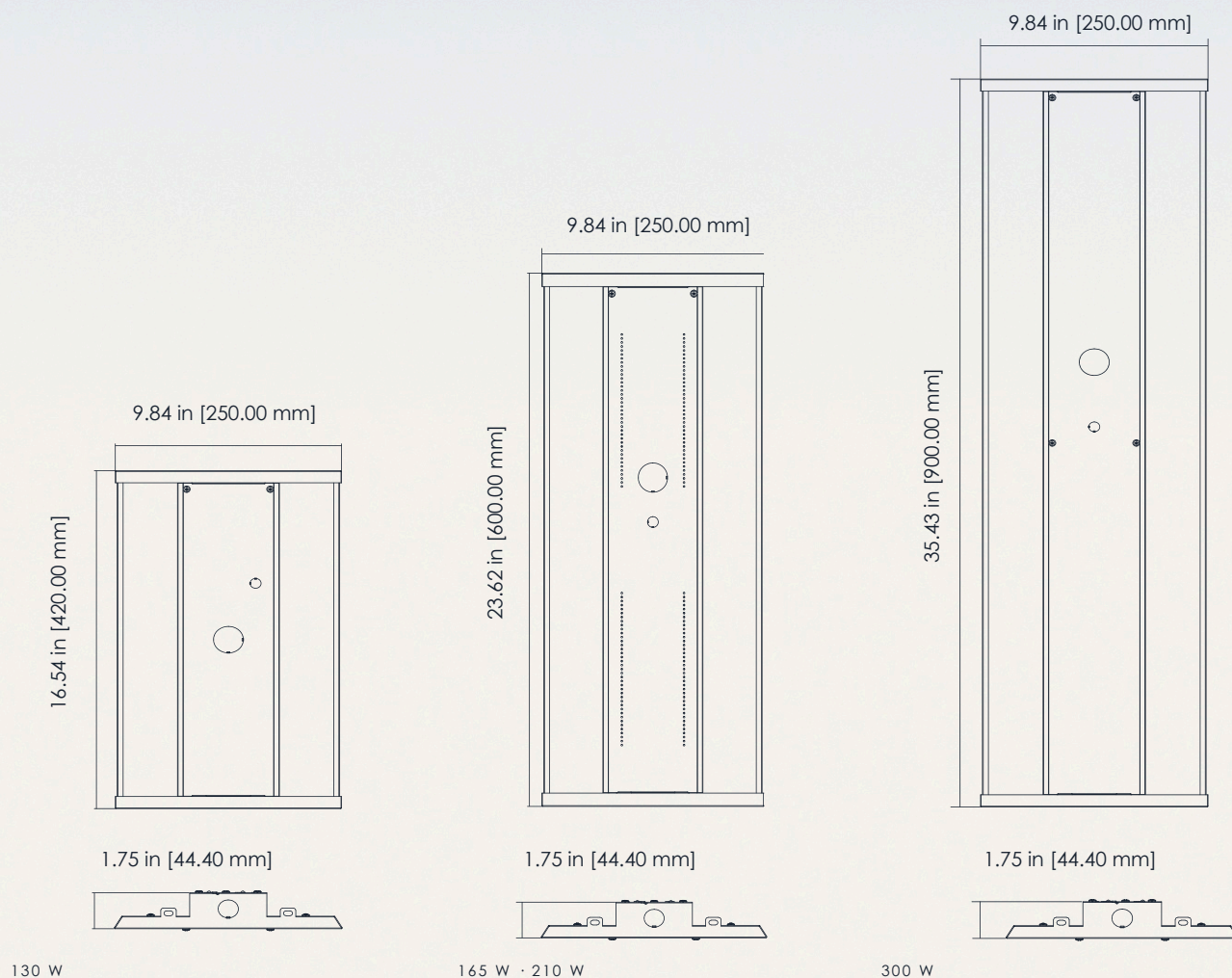
EXAMPLE MLH06 210W 27V DDK PD M B S — 210 W, 120–277 V, selectable CCT, prismatic diffuser, PIR sensor, emergency battery, surge protector.

Ordering notes

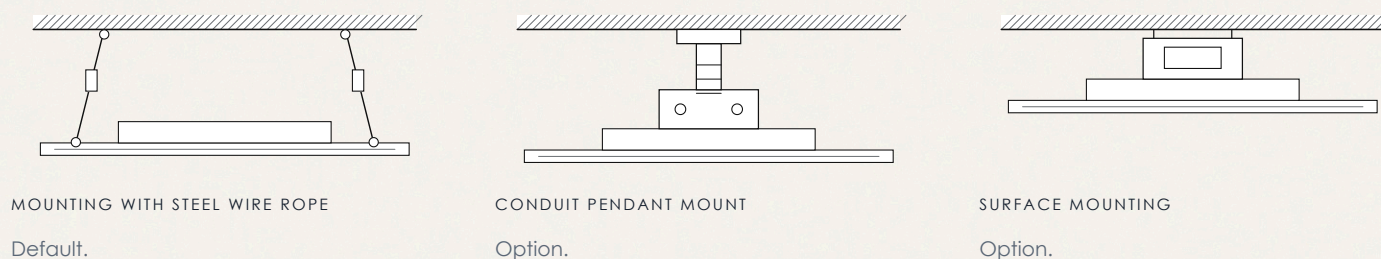
1. Pendant and surface mounting is not supported with an emergency battery.
2. CCT selectable (4000 K / 5000 K) suits 130 W, 165 W, 210 W and 300 W.

Dimensions and mounting

Dimensions in inches [millimetres]. Drawn from the factory drawings. Weight: 130 W 4.63 lb · 165 W 5.39 lb · 210 W 5.90 lb · 300 W 8.97 lb.



Mounting



Actual performance may differ with 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.