

MLH07 SERIES - LED Smart Linear High Bay

The MLH07 SERIES - LED Smart Linear High Bay, Up to 171 lm/W, Damp Location, Select 2X-CCT and 4X-Wattages, 0-10V Dimmable, Premium Indoor Luminaire, Smart Sensor Ready.

Premium Features

Lumen Output	5200 to 60600 lumens
Efficacy	Up to 171 lm/W
Input Voltage	120-277V, 347-480V
Dimmable	0-10V Continuous
CCT	Select (40K, 50K)
IP Rating	Damp Location
Size	1-FT, 1.5-FT, 2-FT, 3-FT
Warranty	5 Years

Applications

Premium indoor luminaire for hanging or pendant mounting in high ceiling spaces above 25 feet. Suitable for gymnasiums, warehouses, manufacturing, packaging, storage, aisles, and covered decks.

Construction

Manufactured for durability using aluminum sheet housing with semi-gloss coating to resist corrosion, discoloration, and scratching. UL1598 Damp Location Rated.

Electrical

Input voltage 120-277V and 347-480V models with 0-10V Continuous Dimming. Includes 2X-CCT and 4X-Wattage Tuning Switches. Operating temperatures -40°F to 122°F (-40°C to 50°C).

Mounting

Aluminum V-Hooks and Chains for hanging standard. Optional pair of 10-FT Aircraft Hanging Cables available.

Optics

Anti-UV Frosted Micro-Filter
Polycarbonate Lens standard.

Controls

Fixture mounted AUX Daylight and Bi-level Motion Dimming available.

Emergency

Externally Bracket Mounted, 90 Minute Emergency Battery Backup available.

Listings

UL certified to meet US and Canadian standards. FCC and RoHS compliant. Listed to qualify for energy-efficient LED lighting rebates.

Warranty

5 yr /50K hrs. View at: <https://falkorindustry.com/warranty/>.

Project:

Date:

Catalog No:

Prepared By:

1-FT, 1.5-FT, 2-FT and 3-FT Models



Correlated Color Temperatures (CCT)

4000K

5000K



Specifications

Energy Data

Input Voltage: 120-277V, 347-480V

Input Frequency: 50/60 Hz

Wattage: 4-Wattages (80W Max to 410W Max)

Power Factor: >0.9

Total Harmonic Distortion (THD): <20%

Operating Temperature: -40°F to 122°F (-40°C to 50°C)

Lighting Data

Lumens: 5200 to 60600 lumens

Lumens Per Watt: Up to 171 lm/W

CCT: Select (40K, 50K)

Dimmable: 0-10V

Color Rendering Index (CRI): >80

L70: 50000 hours

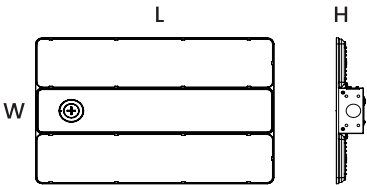
Ordering Information

Model	Size	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions
MLH07 80W 2CCT	1-FT	(32W 48W 64W 80W)	120-277V	0.29A@120V, 0.13A@277V 0.44A@120V, 0.19A@277V 0.59A@120V, 0.25A@277V 0.73A@120V, 0.32A@277V	5200 7700 10000 12100	Up to 163 lm/W	(4000K, 5000K)	0-10V	White	14.17"L x 9.45 "W x 1.65"H
MLH07 130W 2CCT	1-FT	(52W 78W 104W 130W)	120-277V	0.48A@120V, 0.21A@277V 0.72A@120V, 0.31A@277V 0.95A@120V, 0.41A@277V 1.19A@120V, 0.52A@277V	8200 12100 15200 18500	Up to 158 lm/W	(4000K, 5000K)	0-10V	White	14.17"L x 9.45 "W x 1.65"H
MLH07 160W 2CCT	1.5-FT	(64W 96W 128W 160W)	120-277V	0.59A@120V, 0.25A@277V 0.88A@120V, 0.38A@277V 1.17A@120V, 0.51A@277V 1.47A@120V, 0.64A@277V	10600 15500 20000 24100	Up to 166 lm/W	(4000K, 5000K)	0-10V	White	18.11"L x 11.02 "W x 1.65"H
MLH07 205W 2CCT	1.5-FT	(82W 123W 164W 205W)	120-277V	0.75A@120V, 0.33A@277V 1.13A@120V, 0.49A@277V 1.50A@120V, 0.65A@277V 1.88A@120V, 0.81A@277V	14000 19500 25000 30500	Up to 171 lm/W	(4000K, 5000K)	0-10V	White	18.11"L x 11.02 "W x 1.65"H
MLH07 250W 2CCT	2-FT	(100W 150W 200W 250W)	120-277V	0.92A@120V, 0.40A@277V 1.38A@120V, 0.60A@277V 1.83A@120V, 0.79A@277V 2.29A@120V, 0.99A@277V	16400 24000 30200 36100	Up to 164 lm/W	(4000K, 5000K)	0-10V	White	26.77"L x 11.02 "W x 1.65"H
MLH07 300W 2CCT	2-FT	(120W 180W 240W 300W)	120-277V	1.10A@120V, 0.48A@277V 1.65A@120V, 0.71A@277V 2.20A@120V, 0.95A@277V 2.75A@120V, 1.19A@277V	20000 28000 36000 42000	Up to 167 lm/W	(4000K, 5000K)	0-10V	White	26.77"L x 11.02 "W x 1.65"H
MLH07 410W 2CCT	3-FT	(164W 246W 328W 410W)	120-277V	1.50A@120V, 0.65A@277V 2.26A@120V, 0.98A@277V 3.01A@120V, 1.30A@277V 3.76A@120V, 1.63A@277V	28000 38400 50000 60600	Up to 171 lm/W	(4000K, 5000K)	0-10V	White	36.22"L x 11.02 "W x 1.65"H
MLH07 80W 2CCT 480V	1-FT	(32W 48W 64W 80W)	347-480V	0.10A@347V, 0.07A@480V 0.15A@347V, 0.11A@480V 0.20A@347V, 0.15A@480V 0.25A@347V, 0.18A@480V	5200 7700 10000 12100	Up to 163 lm/W	(4000K, 5000K)	0-10V	White	14.17"L x 9.45 "W x 1.65"H
MLH07 130W 2CCT 480V	1-FT	(52W 78W 104W 130W)	347-480V	0.16A@347V, 0.12A@480V 0.25A@347V, 0.18A@480V 0.33A@347V, 0.24A@480V 0.41A@347V, 0.30A@480V	8200 12100 15200 18500	Up to 158 lm/W	(4000K, 5000K)	0-10V	White	14.17"L x 9.45 "W x 1.65"H
MLH07 160W 2CCT 480V	1.5-FT	(64W 96W 128W 160W)	347-480V	0.20A@347V, 0.15A@480V 0.30A@347V, 0.22A@480V 0.41A@347V, 0.29A@480V 0.51A@347V, 0.37A@480V	10600 15500 20000 24100	Up to 166 lm/W	(4000K, 5000K)	0-10V	White	18.11"L x 11.02 "W x 1.65"H
MLH07 205W 2CCT 480V	1.5-FT	(82W 123W 164W 205W)	347-480V	0.26A@347V, 0.19A@480V 0.39A@347V, 0.28A@480V 0.52A@347V, 0.38A@480V 0.65A@347V, 0.47A@480V	14000 19500 25000 30500	Up to 171 lm/W	(4000K, 5000K)	0-10V	White	18.11"L x 11.02 "W x 1.65"H
MLH07 250W 2CCT 480V	2-FT	(100W 150W 200W 250W)	347-480V	0.32A@347V, 0.23A@480V 0.48A@347V, 0.34A@480V 0.63A@347V, 0.46A@480V 0.79A@347V, 0.57A@480V	16400 24000 30200 36100	Up to 164 lm/W	(4000K, 5000K)	0-10V	White	26.77"L x 11.02 "W x 1.65"H
MLH07 300W 2CCT 480V	2-FT	(120W 180W 240W 300W)	347-480V	0.38A@347V, 0.28A@480V 0.57A@347V, 0.41A@480V 0.76A@347V, 0.55A@480V 0.95A@347V, 0.69A@480V	20000 28000 36000 42000	Up to 167 lm/W	(4000K, 5000K)	0-10V	White	26.77"L x 11.02 "W x 1.65"H
MLH07 410W 2CCT 480V	3-FT	(164W 246W 328W 410W)	347-480V	0.52A@347V, 0.38A@480V 0.78A@347V, 0.56A@480V 1.04A@347V, 0.75A@480V 1.30A@347V, 0.94A@480V	28000 38400 50000 60600	Up to 171 lm/W	(4000K, 5000K)	0-10V	White	36.22"L x 11.02 "W x 1.65"H

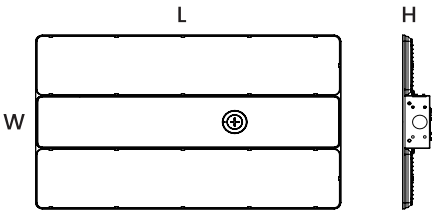
Sensor		Emergency	
MSANT12VPH01	Bi-Level Dimming Sensor with Daylight Priority, AUX Input	BLD-HM15D-480800	15W Inverter Style Emergency Battery
MSANT12VPH01	Bi-Level Dimming Sensor with Daylight Priority, Bluetooth Controlled, AUX Input	BLD-HM20D-480800	20W Inverter Style Emergency Battery
RC-100 Remote	Remote Control for Sensor Settings	BLD-HM25D-480800	25W Inverter Style Emergency Battery

Physical Dimensions

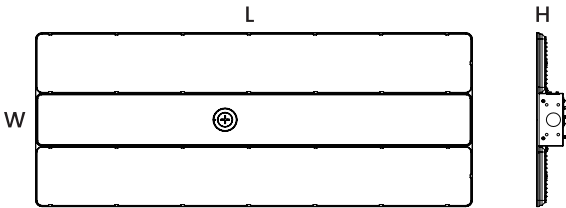
80W & 130W Max Models 14.17"L x 9.45"W x 1.65"H



160W & 205W Max Models 18.11"L x 11.02"W x 1.65"H



250W & 300W Max Models 26.77"L x 11.02"W x 1.65"H



410W Models 36.22"L x 11.02"W x 1.65"H

