PROJECT NAME:_____ CAT. #: _____

NOTES:_____ FIXTURE SCHEDULE:_____

LED High Bay Linear

HLV Series









Product Description

The new HLV Value series Linear Highbay offers an industry leading efficacy (150lm/W), customizability with CCT select switch (3500K, 4000K & 5000K) and scalability with a Wattage select model (3 levels), for high ceiling applications such as warehouses, distribution centers, manufacturing facilities and big box retailers. This die-cast compact highbay covers a wide range of applications with 17,000 lumens at just 1.4 ft length, all the way up to 60,000 lumens at 3.7 ft length. The product comes integrated with the patented c-Max USB port for true in-field plug and play sensor installation, compatible with Maxlite c-Max system (DLC NLC qualified), making it attractive for large utility rebates

Features

- Die Cast Housing for excellent thermal management
- Enhanced Durability with IK06 Protection and IP20 Rating
- DLC Premium Listed with 150 LPW efficacy
- V-hooks and 40" knotted chain included in standard model
- On EM mode, the fixture output is a minimum of 2,400 lumens for 90 minutes, when fully charged
- 3 CCT Selectable available on all wattages (3500K, 4000K, & 5000K).
- Fixtures are set to 5000K as a default factory setting
- Tool-less lens swap for Aisle Distribution (Narrow beam)
- UL Listed for damp locations

Warranty

- 10 year standard

Controls Ready

MaxLite's new Controls Ready (CR) fixtures allows for quick and easy in-field installation (plug and play) of controls. Simply purchase any CR fixture and the required Controls Node and you're all set! See the accessory table for all controls options available for this fixture.

Controls Features

- Multifunction & Energy Monitoring
- Daylight Sensor
- Occupancy Sensor
- Integral Sensor Receptacle
- High-End Trim
- Bluetooth
- Luminaire Level Lighting Control (LLLC)

Ordering Information

FAMILY	-	SELECTABLE WATTAGE	VOLTAGE	LENS	-	CCT SELECT	CONTROLS READY	BBU OPTIONS	CORDS & PLUGS [1]	SOURCING STRATEGY
HLV = Highbay Linear Value	-	**080W =** 80W 100W 120W **135W =** 135W 165W 195W **220W =** 220W 255W 290W	**U =** 120-277V **HT =** 480V [2,3]	**F=** Frosted	-	**CS =** Color Selectable: -3500K -4000K -5000K	**CR =** Controls Ready	**BLANK =** None **EM =** Battery Backup **E2 =** Made to Order Battery Backup	**BLANK =** None **CW =** White Cord **CB =** Black Cord **C1 =** 10-FT 3 Wire Cord W 5-15P (120V, 15A) **C2 =** 10-FT 3 Wire Cord W L7-15P (277V, 15A) **C4 =** 10-FT 3 Wire Cord W L8-20P (480V, 20A)	**BLANK =** Non-TAA Country **TA =** TAA Country
		300W = 300W 355W 400W	**H =** 277-480V [2] **U =** 120-277V							

1. Contact Maxlite if Cord and Plug options are required for Emergency Back Up units.
2. Suffix H and Suffix HT and Battery Back Up option aren't compatible.
3. 480V/ High Voltage is accomplished by step down transformer. It adds 10W to the total output wattage

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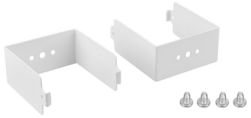
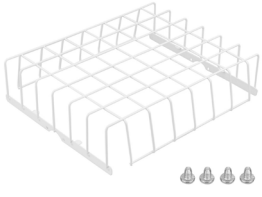
Non-TAA Stocked Items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#	PRIMARY USE DESIGNATION	CLASSIFICATION
112529	HLV-135WUF-CSCR	S-5VL660	High-Bay Luminaires for Commercial and Industrial Buildings	DLC Premium
112533	HLV-135WUF-CSCREM	S-5VL660		
112534	HLV-220WUF-CSCREM	S-WHKNMY		
112812	HLV-300WHF-CSCR	S-N9MJ58		

TAA Stocked Items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#	PRIMARY USE DESIGNATION	CLASSIFICATION
112800	HLV-080WUF-CSCRTA	S-D56LX8	High-Bay Luminaires for Commercial and Industrial Buildings	DLC Premium
112801	HLV-135WUF-CSCRTA	S-5VL660		
112802	HLV-220WUF-CSCRTA	S-WHKNMY		
112803	HLV-300WUF-CSCRTA	S-B8K0MY		
114166	HLV-080WUF-CSCREMTA	S-D56LX8		
114167	HLV-135WUF-CSCREMTA	S-5VL660		
114169	HLV-300WUF-CSCREMTA	S-B8K0MY		

Accessories (Sold Separately)

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
112544	HLV-NLENS1	NARROW LENS 45X90 DEGREE FOR HLV 1 FT, 80W (WATT SELECT). 2 PCS	
112545	HLV-NLENS2	NARROW LENS 45X90 DEGREE FOR HLV 1.5 FT, 135W (WATT SELECT). 2 PCS	
112546	HLV-NLENS3	NARROW LENS 45X90 DEGREE FOR HLV 2 FT, 220W (WATT SELECT). 2 PCS	
112547	HLV-NLENS4	NARROW LENS 45X90 DEGREE FOR HLV 2.4 FT, 300W (WATT SELECT). 2 PCS	
112687	HLV-PMKIT**	PIPE MOUNT KIT (1.1" DIA) HLV 1 FT, 1.5 FT, 2 FT, 2.4 FT (FOR 120-277V MODELS, SELECT HV MODELS) W/ HARDWARE. NOT COMPATIBLE WITH SELECT EM, E2 OPTION	
112686	HLV-SMKIT*	SURFACE MOUNT KIT FOR HLV 1 FT, 1.5 FT, 2 FT, 2.4 FT (FOR 120-277V MODELS AND HV MODELS) WITH HARDWARE. NOT COMPATIBLE WITH EM	
112682	HLV-WGW1	WIREGUARD FOR 1 FT HLV WITH HARDWARE	
112683	HLV-WGW2	WIREGUARD FOR 1.5 FT HLV WITH HARDWARE	
112684	HLV-WGW3	WIREGUARD FOR 2 FT HLV WITH HARDWARE	
112685	HLV-WGW4	WIREGUARD FOR 2.4 FT HLV WITH HARDWARE	
74139	MLCHKLSV15	LOOP CABLE WITH GRIPPER CINCH AND CRIMPED LOOP END 15'	

* Emergency Battery Back Up with HLV-SMKIT is possible only with E2 suffix in lengths except 1ft (HLV-080W)
** Emergency Battery Back Up with HLV-PMKIT is possible only with EM suffix in lengths except 1ft (HLV-080W) and 1.5ft (HLV-135W)
** High Voltage Models with HLV-PMKIT is possible only in length of 2.4ft (HLV-300W)

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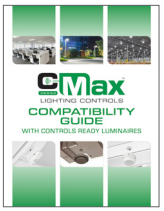
c-Max Controls Micro-sites and Compatibility Guide

c-Max BC BASIC LIGHTING CONTROLS — Microsite

c-Max NC NETWORK LIGHTING CONTROLS — Microsite

c-Max RF EasyRF™ LIGHTING CONTROLS — Microsite

c-Max NP NETWORK PARTNERS — Microsite



Compatibility Guide

Compatible Controls (Sold Separately)+

The table below shows a small subset of control nodes from each tier that directly plug in with the fixture.
Refer to individual microsites above for more accessories that could be added based on application requirements.

ORDER CODE	MODEL NUMBER & LINK TO DATA SHEET	DESCRIPTION	QR CODE TO DATA SHEET	IMAGE
c-Max Basic				
105567	CN-REMOTE	CONTROL NODE REMOTE CONTROL		
105565	CN-RDMSW	CONTROL NODE ROUND, WHITE		
c-Max Network				
106391	NN-RDW	NETWORK NODE ROUND, WHITE		
105905	NN-RDMSW	NETWORK NODE ROUND, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
c-Max EasyRF				
111891	RF-RDMSW	EasyRF NODE ROUND, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
110962	RF-REMOTE	EasyRF REMOTE CONTROL COMMISSIONING TOOL		
c-Max Network Partners - Silvair				
111150	NN-RDMSW-SL	SILVAIR NETWORK NODE ROUND, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
111149	NN-RDW-SL	SILVAIR NETWORK NODE ROUND, WHITE		
c-Max Network Partners - Casambi				
112430	NN-RDMSW-CA	CASAMBI NETWORK NODE ROUND, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
112431	NN-RDW-CA	CASAMBI NETWORK NODE ROUND, WHITE		

1 Maxlite recommends CN-RTPSW (PIR) sensor for most applications with this fixture. If CN-RTMST (microwave) is required for an application, Maxlite recommends a pilot test to confirm there is no interference that causes unexpected responses from the microwave sensor.
For additional options and c-Max network Partners components check Maxlite.com/cmax

+ Note - This controls ready fixture is compatible with the c-Max platform supporting multiple tiers of controls. The table above shows a small subset of control nodes from each tier that directly plug in with the fixture. Refer to individual microsite above for more accessories that could be added based on application requirements

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MaxLite®

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HLV Series

Specifications

		HLV-080W			HLV-135W		
Length		1.0 FT			1.5 FT		
Nominal Wattage (W)[2]	120-277V AC	80	100	120	135	165	195
	480V AC	90	110	130	145	175	205
Lumens Delivered (lm)		13,100	15,800	18,400	20,900	24,900	29,000
Nominal Efficacy (lm/W)	120-277V AC	162	159	153	155	151	146
	480V AC	145	144	141	143	142	141
Lumens Delivered at BBU mode (lm)[3]		2,400 lm with EM suffix- for 90 minutes, when fully charged 6,000 lm with E2 suffix- for 90 minutes, when fully charged					
CCT[1]		3500K, 4000K, 5000K					
CRI		≥ 80					
Calculated L70 Lumen Maintenance		≥ 100,000 hrs					
Beam Angle		90° x 90° (45° x 90° Narrow Beam Lens Option is available)					
Dimming Technology		0-10V					
Dimming Range		0-100%					
Input Voltage[5]		120-277V AC, 480V AC [4]					
Input Frequency		50/60Hz					
Surge Protection		10 kV					
Power Factor		≥0.9					
Mounting		Suspended (Chain and V Hooks - Standard)					
Housing		Aluminum/ Iron Housing					
IK Rating		IK06					
IP Rating		IP20					
Diffuser		Frosted Polycarbonate					
Finish		White					
Operating Temperature		-40°F to 122°F (-40°C to 50°C), except sensor or BBU models. BBU models: 41°F to 122°F (5°C to 50°C) Refer to Operating Temperature Table for more information.					
Storage Humidity		10% - 95%					
Certifications		UL listed, RoHS Compliant, FCC					
Qualifications		DLC Premium for 120-277 version and 480V version					
Environment		Indoor - Damp locations					
Warranty		10 Year warranty. Check maxlite.com/warranties for details.					
Product Weight		3.8 lbs			6.2 lbs		

1. Factory default CCT is 5000K.
2. Factory default wattage is set to lowest value.
3. In BBU mode, only portion of the highbay is illuminated. Default CCT is 5000K at BBU mode.
4. 480V/ High Voltage is accomplished by step down transformer. It adds 10W to the total output wattage
5. High Voltage and Battery Back Up option aren't compatible

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MaxLite®

LED High Bay Linear

HLV Series

Specifications

		HLV-220W			HLV-300W		
Length		2.0 FT			2.4 FT		
Nominal Wattage (W)[2]	120-277V AC	220	255	290	300	355	400
	480V AC[4]	230	265	300	–	–	–
	277-480V AC	–	–	–	–	–	–
Lumens Delivered (lm)		34,000	38,500	42,300	46,800	54,000	59,200
Nominal Efficacy (lm/W)	120-277V AC	155	151	146	156	152	148
	480V AC	147	144	140	–	–	–
	277-480V AC	–	–	–	160	156	152
Lumens Delivered at BBU mode (lm)[3]		2400 lm with EM suffix- for 90 minutes, when fully charged 6000 lm with E2 suffix- for 90 minutes, when fully charged			2400 lm with EM suffix- for 90 minutes, when fully charged 9000 lm with E2 suffix- for 90 minutes, when fully charged		
CCT[1]		3500K, 4000K, 5000K					
CRI		≥ 80					
Calculated L70 Lumen Maintenance		≥ 100,000 hrs					
Beam Angle		90° x 90° (45° x 90° Narrow Beam Lens Option is available)					
Dimming Technology		0-10V					
Dimming Range		0-100%					
Input Voltage[5]		120-277V AC, 480V AC[4]			120-277V AC, 277-480V AC		
Input Frequency		50/60Hz					
Surge Protection		10 kV					
Power Factor		≥0.9					
Mounting		Suspended (Chain and V Hooks - Standard)					
Housing		Aluminum/ Iron Housing					
IK Rating		IK06					
Diffuser		Frosted Polycarbonate					
Finish		White					
Operating Temperature		-40°F to 122°F (-40°C to 50°C), except sensor or BBU models. BBU models: 41°F to 122°F (5°C to 50°C) Refer to Operating Temperature Table for more information					
Storage Humidity		10% - 95%					
Certifications		UL listed, RoHS Compliant, FCC					
Qualifications		DLC Premium for 120-277 version and 480V/ 277-480V version					
Environment		Damp locations					
Warranty		10 Year warranty. Check maxlite.com/warranties for details.					
Product Weight		8.0 lbs			12.4 lbs		

1. Factory default CCT is 5000K.
2. Factory default wattage is set to lowest value.
3. In BBU mode, only portion of the highbay is illuminated. Default CCT is 5000K at BBU mode.
4. 480V/ High Voltage is accomplished by step down transformer. It adds 10W to the total output wattage
5. High Voltage and Battery Back Up option aren't compatible

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LED High Bay Linear

HLV Series

Operating Temperature (For 120-277V Models)

Model Number & Length of Housing		120-277V Luminaire	120-277V Luminaire with Battery Back Up Unit (EM/ E2 suffix)	120-277V Luminaire with HLV-SMKIT	120-277V Luminaire with Battery Back Up Unit (EM Suffix) and HLV-SMKIT	120-277V Luminaire with Battery Back Up Unit (E2 Suffix) and HLV-SMKIT	120-277V Luminaire with HLV-PMKIT	120-277V Luminaire with Battery Back Up Unit (EM Suffix) and HLV-PMKIT	120-277V Luminaire with Battery Back Up Unit (E2 Suffix) and HLV-PMKIT
HLV-080W	1.0 ft	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A	N/A	-40°F to 122°F (-40°C to 50°C)	N/A	N/A
HLV-135W	1.5 ft	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A	N/A
HLV-220W	2 ft	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	N/A
HLV-300W	2.4 ft	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A	41°F to 122°F (5°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	41°F to 122°F (5°C to 50°C)	N/A

Operating Temperature (For 480V Models)

Model Number & Length of Housing		480V Luminaire	480V Luminaire with HLV-SMKIT	480V Luminaire with HLV-PMKIT
HLV-080W	1.0 ft	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A
HLV-135W	1.5 ft	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A
HLV-220W	2 ft	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	N/A

Operating Temperature (For 277-480V Models)

Model Number & Length of Housing		277-480V Luminaire	277-480V Luminaire with HLV-SMKIT	277-480V Luminaire with HLV-PMKIT
HLV-300W	2.4 ft	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)

Height of Housing with Battery Back Up Unit installed

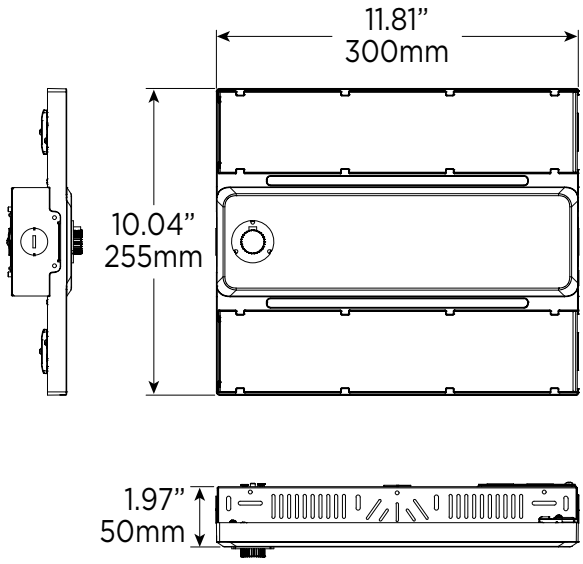
Model Number & Length of Housing		120-277V Luminaire with Battery Back Up Unit (EM suffix)	120-277V Luminaire with Battery Back Up Unit (E2 suffix)
HLV-080W	1 ft	3.82 inches	4.19 inches
HLV-135W	1.5 ft	3.62 inches	3.99 inches
HLV-220W	2 ft	3.62 inches	3.99 inches
HLV-300W	2.4 ft	3.82 inches	4.19 inches

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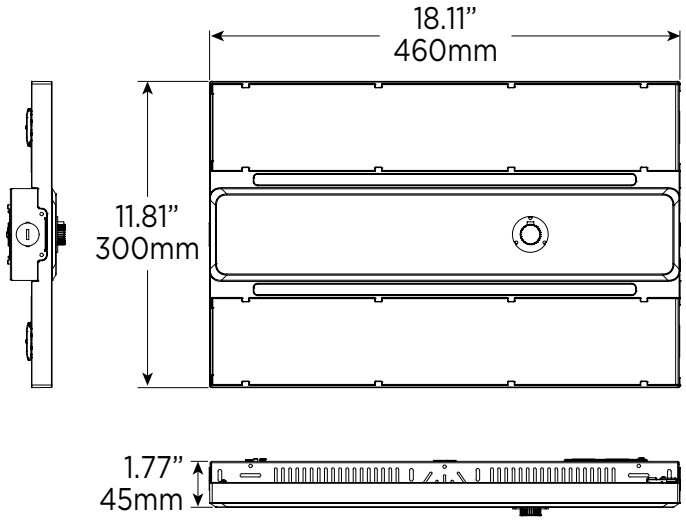
LED High Bay Linear

HLV Series

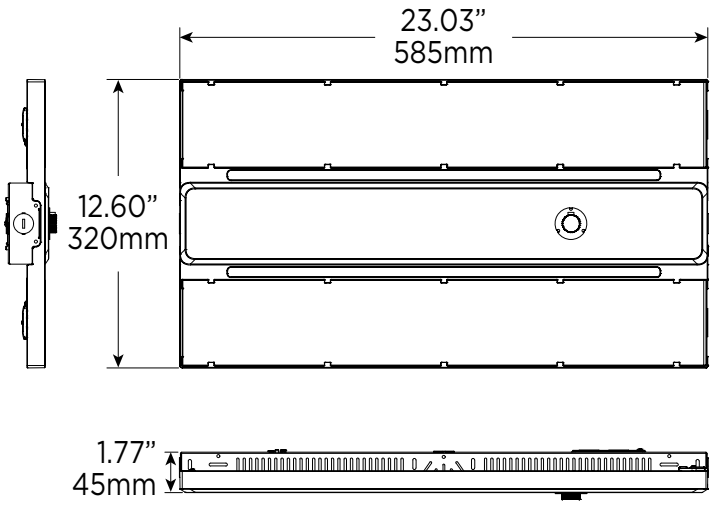
Dimensions (For 120-277V Models)



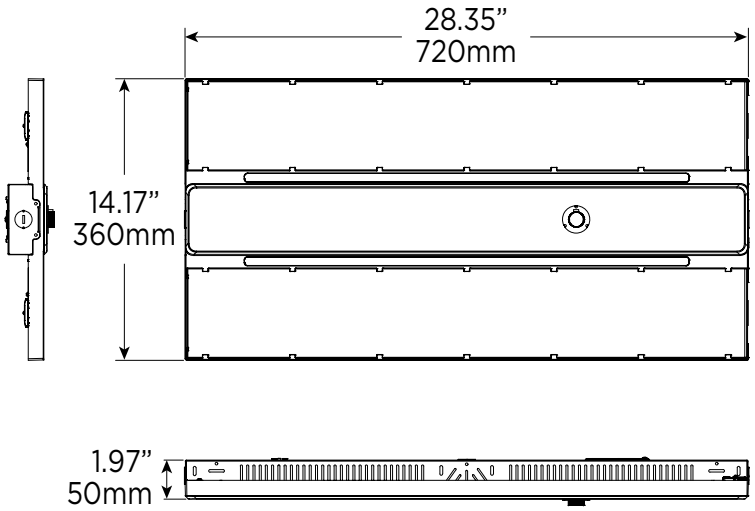
1 FT - HLV-080WUF-CSCR
80W/100W/120W (Wattage Selectable)



1.5 FT - HLV-135WUF-CSCR
135W/165W/195W (Wattage Selectable)



2 FT - HLV-220WUF-CSCR
220W/255W/290W (Wattage Selectable)



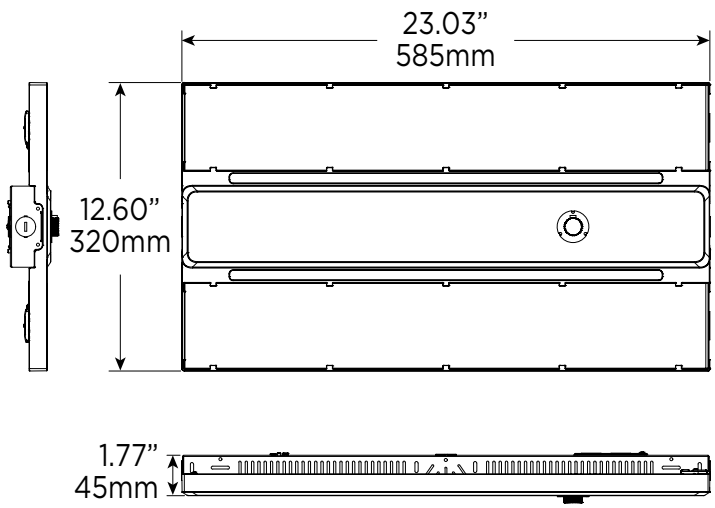
2.4FT - HLV-300WUF-CSCR
300W/355W/400W (Wattage Selectable)

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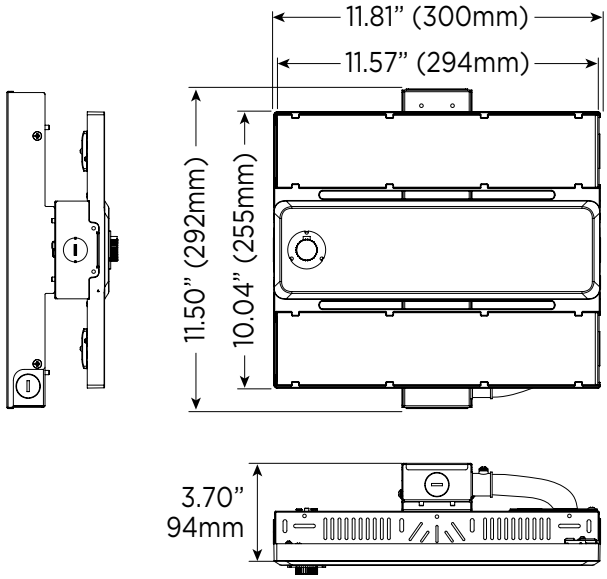
LED High Bay Linear

HLV Series

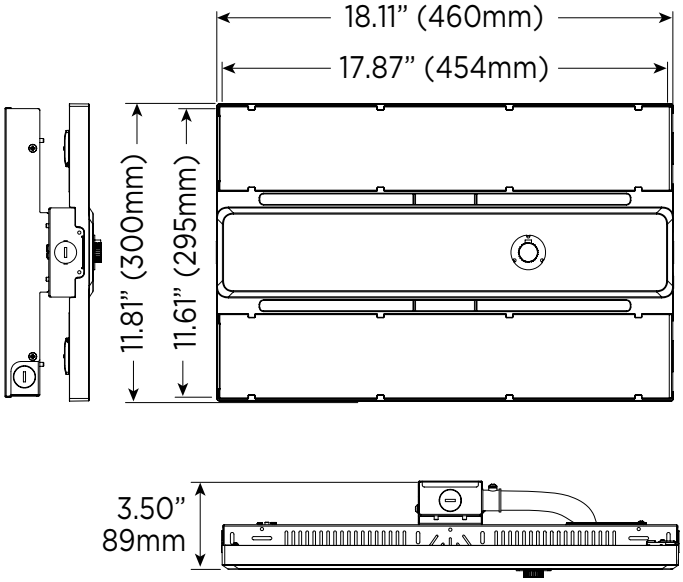
Dimensions (For 277-480V & 480V Models)



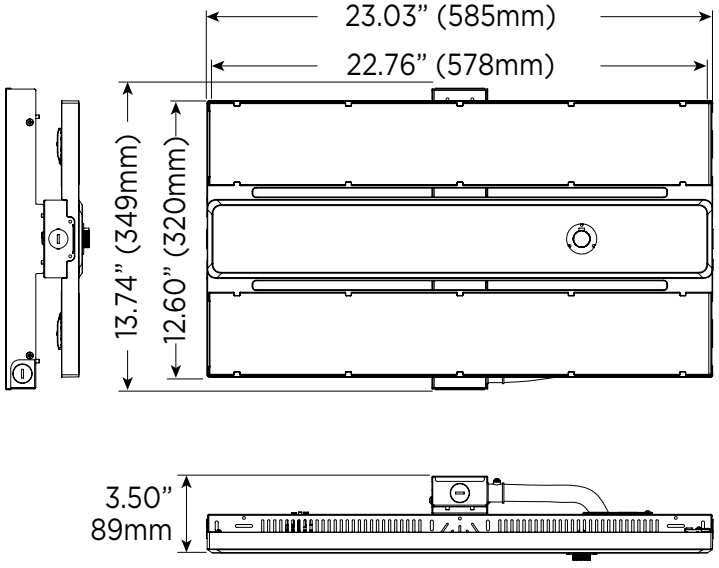
HLV-300WHF-CSCR (277-480V) 2.4FT



HLV-080WHTF-CSCR (480V) 1FT



HLV-135WHTF-CSCR (480V) 1.5FT



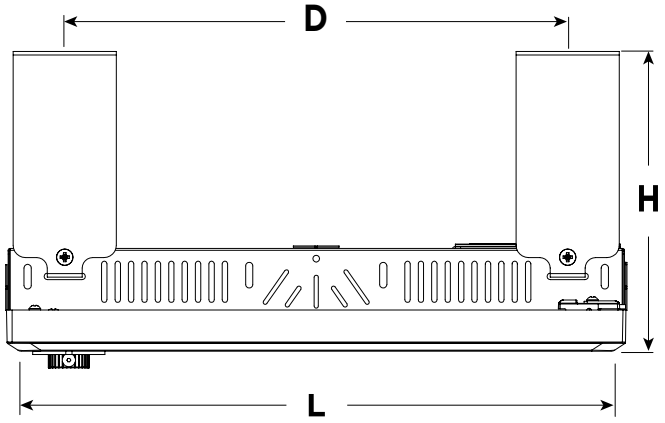
HLV-220WHTF-CSCR (480V) 2FT

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LED High Bay Linear

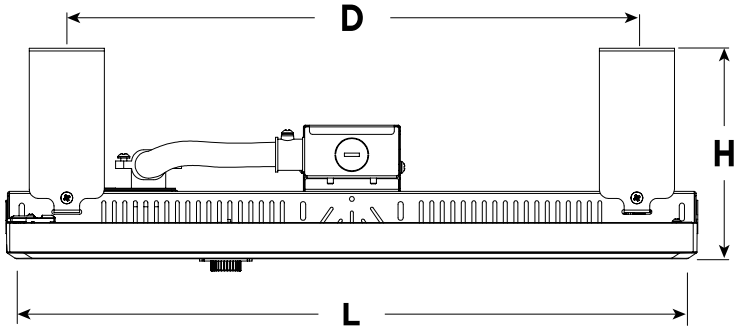
HLV Series

Surface Mount Kit Dimensions (For 120-277V & 277-480V Models)



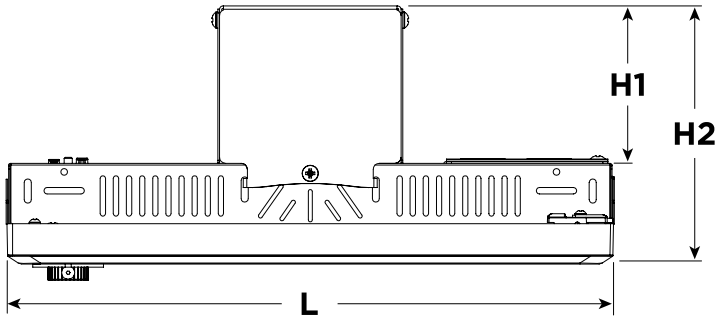
MODEL NUMBER	(L) FIXTURE LENGTH	(D) INNER DISTANCE BETWEEN SMK BRACKETS	(H) HEIGHT FROM TOP OF BRACKET TO TOP OF HOUSING
HLV-080W (120-277V)	1.0 ft	9.61" (244mm)	5.71 (145mm)
HLV-135W (120-277V)	1.5 ft	14.96" (380mm)	5.51 (140mm)
HLV-220W (120-277V)	2.0 ft	19.69" (500mm)	5.51 (140mm)
HLV-300W (120-277V)	2.4 ft	25.19" (640mm)	5.71 (145mm)
HLV-300W (277-480V)	2.4 ft	25.19" (640mm)	5.71 (145mm)

Surface Mount Kit Dimensions (For 480V Models)



MODEL NUMBER	(L) FIXTURE LENGTH	(D) INNER DISTANCE BETWEEN SMK BRACKETS	(H) HEIGHT FROM TOP OF BRACKET TO TOP OF HOUSING
HLV-080W (480V)	1.0 ft	9.61" (244mm)	5.71 (145mm)
HLV-135W (480V)	1.5 ft	14.96" (380mm)	5.51 (140mm)
HLV-220W (480V)	2.0 ft	19.69" (500mm)	5.51 (140mm)

Pipe Mount Kit Dimensions (For 120-277V & 277-480V Models)



MODEL NUMBER	(L) FIXTURE LENGTH	(H1) HEIGHT FROM TOP OF BRACKET TO TOP OF HOUSING	(H2) HEIGHT FROM TOP OF BRACKET TO BOTTOM OF HOUSING
HLV-080W (120-277V)	1.0 ft	3.07" (78mm)	5.04" (128mm)
HLV-135W (120-277V)	1.5 ft	3.07" (78mm)	4.84" (123mm)
HLV-220W (120-277V)	2.0 ft	3.07" (78mm)	4.84" (123mm)
HLV-300W (120-277V)	2.4 ft	3.07" (78mm)	5.04" (128mm)
HLV-300W (277-480V)	2.4 ft	3.07" (78mm)	5.04" (128mm)

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