

PROJECT:	_____
CATALOG #:	_____
FIXTURE TYPE:	_____
NOTES:	_____

HCL Compact Linear High Bay

HCL 120 / 140 / 180
90W / 100W / 130W



HCL 240 / 300
180W / 210W



HCL 360
260W



HCL 500 / 600
360W / 420W



Images are shown for illustration purposes only.

The **HCL Compact Linear High Bay** gives full performance in half the size. This compact high bay weighs less than the competition and lasts twice as long, while providing the same high lumen output as a full-sized linear high bay. The small but sturdy HCL offers superior thermal performance and glare control. Eco-friendly contractor packaging makes installation even faster while reducing packaging waste and labor. Coming in lumen packages ranging from 12,200 to 60,500 lumens, the HCL is suitable for several commercial, retail, and institutional applications.



APPLICATIONS

Commercial, Retail, and Institutional applications including Gymnasiums, Factories, and Warehouses.



SPECIFICATIONS

CONSTRUCTION

Die-cast aluminum.

AMBIENT TEMPERATURE

Suitable for use in -40°C to 55°C (-40°F to 131 °F).

LIFESPAN

70% lumen maintenance at > 100,000 hours.

MOUNTING

Standard aircraft cable mounting (accessories included).
Optional pendant or surface mounting available.

LUMEN OUTPUT

Lumen packages ranging from 12,200 to 60,500 lumens.

CCT AND CRI

4000K and 5000K CCT available; 80CRI.

OPTICS

Glare reducing acrylic lens.

WARRANTY

10-year limited warranty. Comprehensive warranty terms can be located on www.slgus.com.

ELECTRICAL

Standard 120-277V. Optional HVU 347V/480V.
Standard 0-10V Dimming. Class II Driver 50/60Hz with open/short circuit protection. Optional surge protection.

FINISH

White finish.

CERTIFICATIONS

UL Listed for damp locations. FCC compliant. RoHS compliant. Design Lights Consortium® (DLC) Premium 5.1 qualified product. Not all versions of this product may be DLC qualified. Please visit www.slgus.com to confirm which versions are qualified.

Due to continuous product improvements, specification and/or equipment updates may change without notice.

PRODUCT ORDERING GUIDE

EXAMPLE: HCL 120 G1 4K

Luminaire Type	Lumen Output	Optics	Generation	Voltage	CCT	Finish
	600					
<input type="checkbox"/> HCL Compact Linear High Bay	<input type="checkbox"/> 120 12,200 Lumens/90 Watts <input type="checkbox"/> 140 14,000 Lumens/100 Watts <input type="checkbox"/> 180 18,200 Lumens/130 Watts <input type="checkbox"/> 240 24,300 Lumens/180 Watts <input type="checkbox"/> 300 30,600 Lumens/210 Watts <input type="checkbox"/> 360 36,400 Lumens/260 Watts <input type="checkbox"/> 500 49,600 Lumens/360 Watts <input type="checkbox"/> 600 60,500 Lumens/420 Watts	<input type="checkbox"/> BLANK Glare Control Acrylic Lens, Medium Beam	<input type="checkbox"/> G1	<input type="checkbox"/> BLANK 120-277V <input type="checkbox"/> HVU 347-480V	<input type="checkbox"/> 4K 4000K <input type="checkbox"/> 5K 5000K	<input type="checkbox"/> BLANK White

SENSORS OR WIRELESS CONTROL (Choose 1)

Individual Control Suitable for 120-277V	Individual Control Suitable for 347-480V	Advanced Wireless Control
<input type="checkbox"/> BLANK No Motion Sensor <input type="checkbox"/> MS-BR1619 Low Voltage PIR Fixture Integrated Motion Sensor <input type="checkbox"/> HBP-112-L7-OEM (On/off Motion Sensor) <input type="checkbox"/> MS-FSP-211 Remote Configurable Dimming Sensor (Choose 1 Lens) <input type="checkbox"/> L3 L3 Lens (Max. 20 ft mounting height) <input type="checkbox"/> L7 L7 Lens (Max. 40 ft mounting height)	<input type="checkbox"/> BLANK No Motion Sensor <input type="checkbox"/> MS-FSP-221B Standard Dimming Sensor (Choose 1 Lens) <input type="checkbox"/> L3 L3 Lens (Max. 20 ft mounting height) <input type="checkbox"/> L7 L7 Lens (Max. 40 ft mounting height)	<input type="checkbox"/> BLANK No Wireless Control <input type="checkbox"/> AVI-LVFA-1CH-12-24VDC Bluetooth Controller (Check compatibility) <input type="checkbox"/> AVI-LVFA-1CH-12-24VDC-PIR Bluetooth Controller with Occupancy and Daylight Sensor (Check compatibility) <input type="checkbox"/> AVI-IFAC-5A Bluetooth Controller with Relay (Check compatibility)
WIRELESS COMMISSIONING TOOL (for MS-FSP-211 and MS-FSP-221B) MS-FSIR-100 Wireless commissioning tool for MS-FSP-211 and MS-FSP-221B		

PRODUCT OPTIONS

Emergency Backup	Surge Protector	Cord Sets
<input type="checkbox"/> BLANK No Emergency Backup <input type="checkbox"/> EL UNV-8W-LH-B 8W Emergency Battery Kit, Compatible with HCL 120/140/180/240 - not available with HCL-PMB <input type="checkbox"/> EL UNV-15W-LH-B 15W Emergency Battery Kit, - not available with HCL-SMB/HCL-PMB/HB-JBW	<input type="checkbox"/> BLANK No Surge Protection <input type="checkbox"/> SPD-277 5KA/10KV Surge Protection device, single phase protection with 120-277V input <input type="checkbox"/> SPD-480 10KA/20KV Surge Protection device, single phase protection with 277-480V input	<input type="checkbox"/> BLANK Standard 5 ft Aircraft Cable (1.5 ft Black/White/Green Conductors) <input type="checkbox"/> CS1 6 ft Power Cord, Straight Cord, 18 Gauge, 3 Conductors, Black <input type="checkbox"/> CS2 6 ft Power Cord, Twist-lock Plug Type, 3 Conductors, Black <input type="checkbox"/> CS3 6 ft Power Cord, 12 Gauge, 3 Conductors, MC Solid Cable, No Plug <input type="checkbox"/> CS4 6 ft Power Cord, 16 Gauge, 3 Conductors, SO Black Cord, No Plug <input type="checkbox"/> CS5 6 ft Power Cord, 18 Gauge, 5 Conductors, Black Cord, No Plug

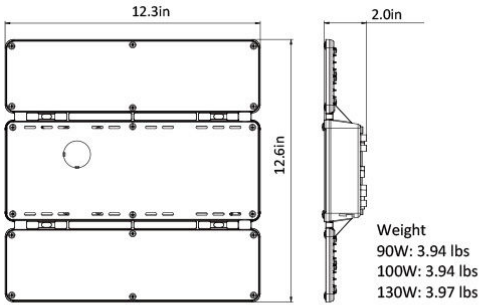
ACCESSORIES (Shipped separately. Requires some field assembly.)

Mounting	Wire Guards
<input type="checkbox"/> HCL-SMB Surface Mount Bracket (2pcs included) <input type="checkbox"/> HCL-PMB Pendant Mount Box for HCL 120 / 140 / 180 / 240 / 300 <small>(Not compatible with EL UNV-8W-LH-B1/EL UNV-8W-LH-B2)</small> <input type="checkbox"/> HB-JBW Pendant Mount JBox for HCL 360 / 500 / 600	<input type="checkbox"/> WG-HCL11 Wire Guard for 1' x 1' for HCL 120 / 140 / 180 <input type="checkbox"/> WG-HCL12A Wire Guard for 1' x 2' for HCL 240 / 300 <input type="checkbox"/> WG-HCL12B Wire Guard for 1' x 2' for HCL 360 <input type="checkbox"/> WG-HCL14 Wire Guard for 1' x 4' for HCL 500 / 600

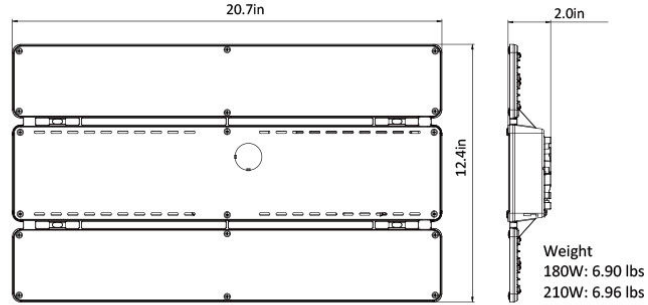
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DIMENSIONS

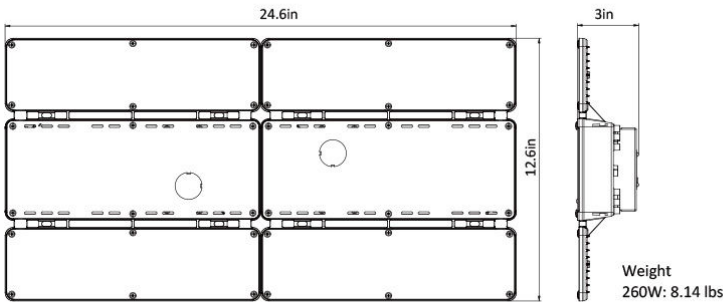
HCL 120 / 140 / 180



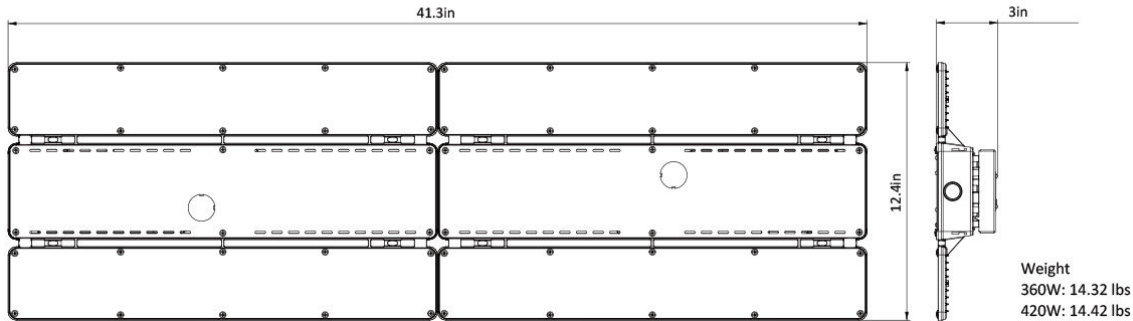
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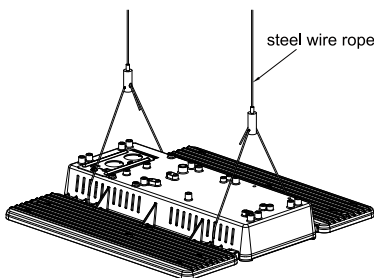
HCL 360



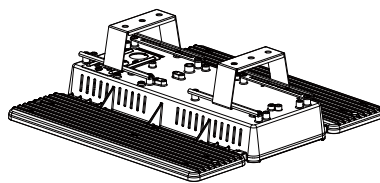
HCL 500 / 600



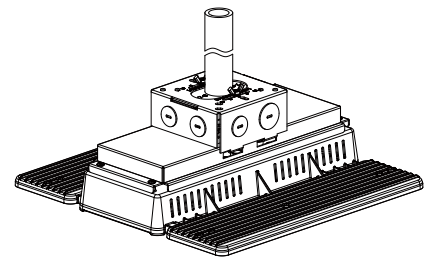
MOUNTING



Suspended Mounting



Surface Mounting



Pendant Mounting

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Remote Configurable Dimming Sensor (120V-277V) Optional Wireless Commissioning Tool



MS-FSP-211

Remote Configurable Dimmable Sensor

MS-FSP-L3/L7

Lens

MS-FSIR-100

Wireless Commissioning Tool for
MS-FSP-211/MS-FSP-221B

The **MS-FSP-211** provides multi-level control based on motion and daylight level.
IP66 rated when mounted inside the fixture. Requires L3 or L7 lens depending on the mounting height.

Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
120/277VAC 230-240VAC (single phase); 50/60Hz	Cone	30 sec/5-30 min Default 1 hr	None, Disable, 1-60 sec; Default disabled	-40°F to 167°F (-40°C to 75°C)	Max 20 ft*	Max 40 ft**

*Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.

**Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height.

Remote Configurable Dimming Sensor (Compatible with 347-480V Fixtures) Optional Wireless Commissioning Tool



MS-FSP-211B

Dimmable Motion Sensor

MS-FSP-L3/L7

Lens

MS-FSIR-100

Wireless Commissioning Tool for
MS-FSP-211/MS-FSP-221B

The **MS-FSP-211B** provides multi-level control based on motion and daylight level.
IP66 rated when mounted inside the fixture. Requires L3 or L7 lens depending on the mounting height.

Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
Single Phase 100-347VAC Phase to Phase 208/230/480VAC	Cone	30 sec/1-30 min Default 5 min	0-60 sec	-40°F to 167°F (-40°C to 75°C)	Max 20 ft*	Max 40 ft**

*Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.

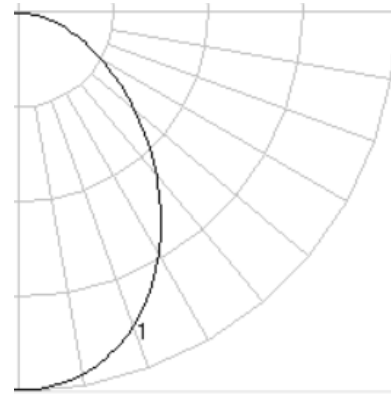
**Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height.

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ELECTRICAL LOAD

Wattage	Current (A)					
	120V	208V	240V	277V	347V	480V
90W	0.75	0.43	0.38	0.32	0.26	0.19
100W	0.83	0.48	0.42	0.36	0.29	0.21
130W	1.08	0.63	0.54	0.47	0.37	0.27
180W	1.50	0.87	0.75	0.65	0.52	0.38
210W	1.75	1.01	0.88	0.76	0.61	0.44
260W	2.17	1.25	1.08	0.94	0.75	0.54
360W	3.00	1.74	1.50	1.30	1.04	0.75
420W	3.50	2.02	1.75	1.52	1.21	0.88

PHOTOMETRIC



Beam Angle: 88°
Spacing Criterion: 1.08

PERFORMANCE COMPARISON

Wattage	Voltage	4000K CCT		5000K CCT		Replacement
		Lumen	Efficacy	Lumen	Efficacy	
90W	120-277	12,155	135	12,356	137	175W MH, 4-lamp T8 HBF, 2-lamp T5HO
	347-480	12,325	137	12,483	138	
100W	120-277	14,225	135	14,457	137	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
	347-480	14,113	133	14,266	136	
130W	120-277	18,070	139	18,342	141	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
	347-480	18,152	138	18,409	140	
180W	120-277	24,338	135	24,574	137	400W MH, 6-lamp T5HO
	347-480	24,372	136	24,601	137	
210W	120-277	29,870	143	30,360	144	750W MH, 8-lamp T5HO
	347-480	29,809	143	30,383	144	
260W	120-277	36,335	140	36,471	140	750W MH, 8-lamp T5HO
	347-480	36,044	138	36,567	140	
360W	120-277	49,209	135	50,115	137	1000W MH
	347-480	48,882	136	49,025	136	
420W	120-277	59,732	142	60,442	144	1000W MH
	347-480	59,963	143	60,638	145	

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