



LHS-LED

Linear Highbay



The LHS-LED series delivers versatile, high-efficiency linear highbay luminaires with selectable features and a compact design. Durable and contractor-friendly, it's perfect for industrial and commercial applications, replacing HID and fluorescent systems. With ControlLED capability, it integrates plug-and-play motion and daylight sensors wirelessly and with bluetooth mesh network, providing advanced lighting control without hubs or gateways.

IDEAL APPLICATIONS

- ✔ Warehouses
- ✔ Factories
- ✔ Gymnasiums
- ✔ Service Bays
- ✔ Retail stores
- ✔ Workshops

SPECIFICATIONS

	LHS-LED110A60	LH2S-LED165A100	LH3S-LED320A220		LHS-LED110A60	LH2S-LED165A100	LH3S-LED320A220	
PERFORMANCE				CONSTRUCTION				
Light Output	15900/12400/9300 lm	23500/19900/15300 lm	46900/41000/33400 lm	Housing	Die-cast Aluminum			
	Lumen Selectable			Lens	Glare-free Polycarbonate			
Efficacy	155 lm/W	153 lm/W	152 lm/W	Weight	Fixture & Cable	5.40 lbs	7.16 lbs	9.58 lbs
CCT	3500/4000/5000K (CCT Selectable)				2x2' T-Grid Mounting Plate	6.49 lbs	5.71 lbs	-
Beam Distribution	Wide (90°x90°), Narrow (45°x90°) - Field Changeable				2x4' T-Grid Mounting Plate	14.58 lbs	13.90 lbs	12.78
Replaces Up to	250 MH	400 MH	1000 MH	AMBIENT OPERATING TEMPERATURE				
LED Lifetime (L80)	>100,000 Hrs			-40°C to 55°C (-40°F to 131°F)				
CRI	84	85	84	MOUNTING				
ELECTRICAL				Suspension Mount - V-Hooks & Chain (Included), Aircraft Cable, Surface Mount, Pendant Mount & T-Grid Drop Ceiling Mount				
Wattage	105/80/60W	160/130/100W	320/270/220W	CERTIFICATIONS				
Voltage	120-347V			cULus Listed for Canada and USA, per UL 1598, CSA C22.2 No. 250.0				
Surge Protection	6kV (Built-in Driver) as per IEC/EN61000-4-5			DLC Premium				
Power Factor	>0.99			CONTROLS				
THD	<4%			0-10V Dimming (Dim to Off)				
Cord	Pre-installed 10' Power Cable (3x18 AWG)			PIR/Microwave Motion Sensor/Dimmer with Remote Control				
Battery Backup	9W (Option Available)			Bluetooth PIR Motion & Daylight Harvest Sensor				

Note: Electrical and light performance data is based on LM79 test reports, measured at maximum wattage, 4000K, and 120V.

FIELD CHANGEABLE OPTICS

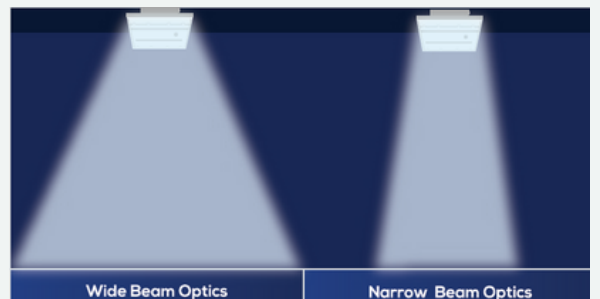


TOOL-LESS SWAP IN LESS THAN 1 MIN

Take out 90°x90° wide beam optics (pre-installed)



Swap with 45°x90° narrow beam optics (included in the box)



LUMEN MAINTENANCE			MAX AMPERAGE DRAW (A)					
L90	L80	L70		120V	208V	240V	277V	347V
51,000 Hrs	105,000 Hrs	165,000 Hrs	LH1S-LED110A60	0.962	0.555	0.481	0.417	0.333
			LH2S-LED165A100	1.467	0.846	0.733	0.635	0.507
			LH3S-LED320A220	2.933	1.692	1.467	1.271	1.014

Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 calculations.


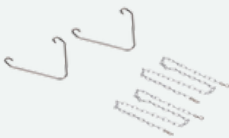
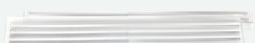
ORDERING GUIDE




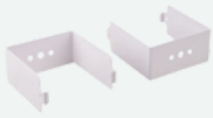



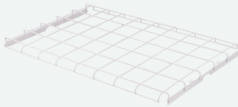

Fixture	Wattage	Voltage	Colour Temp.	Beam Distribution	Finish	Dimming	Battery Backup	T-Grid Mounting
LH1S	LED110A60	H - 120-347V	VK - Colour Selectable (3500K/4000K /5000K)	CD - Field Changeable Distribution	WHT - White	DIM - 0-10V Dimming	BLANK - No Battery Backup	BLANK - Not for T-Grid Mounting
LH2S	LED165A100						BBK9 - 9W Battery Backup ¹	2x2TGrid - T-Grid Mounting for 2x2' Drop Ceiling ²
LH3S	LED320A220							2x4TGrid - T-Grid Mounting for 2x4' Drop Ceiling

¹ Battery Backup is for suspension mount and surface mount only.
² Offered with LH1S and LH2S only.

Default Setting: 4000K, Maximum Wattage & Wide Optics (90°x90°).

STOCK CODES	
081943	LH1S-LED110A60-H-VK-CD-WHT-DIM
081944	LH2S-LED165A100-H-VK-CD-WHT-DIM
081945	LH3S-LED320A220-H-VK-CD-WHT-DIM

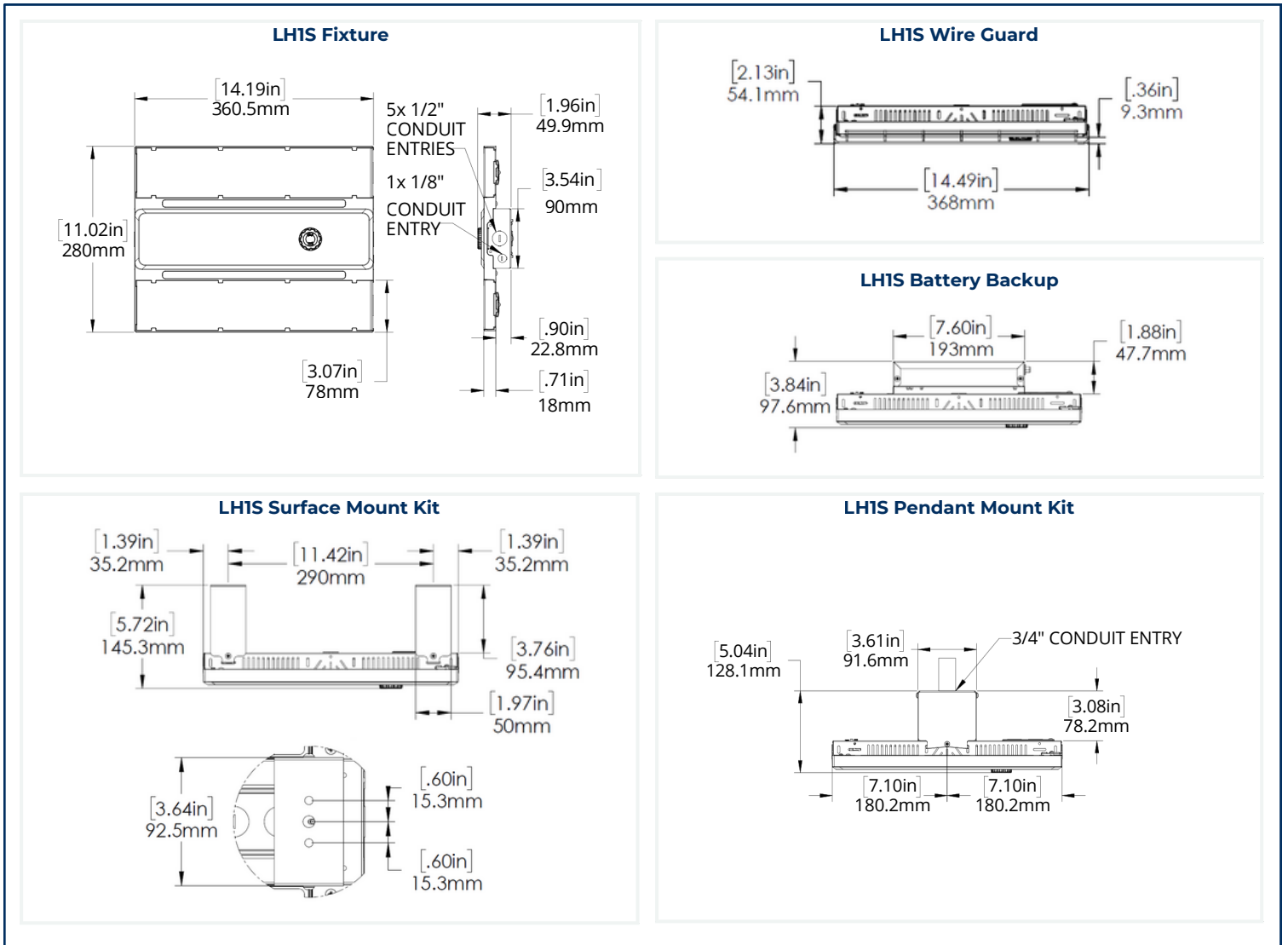
INCLUDED IN THE BOX					
	PRE-INSTALLED 10 FT POWER CORD		V HOOKS & 6 FT SUSPENSION CHAIN		SPARE 45°x90° NARROW BEAM OPTICS (TOOL-LESS CHANGE IN FIELD)

ACCESSORIES SOLD SEPARATELY			
	080909 - MICROWAVE SENSOR (50 ft max height) 081300 - PIR SENSOR 1 (20ft max height) 081837 - PIR SENSOR 2 (40ft max height) <i>Occupancy sensing can be disabled to use it as a dimmer only.</i>		081960 - AIRCRAFT CABLE - 10 ft Length
	080970 - MOTION SENSOR REMOTE CONTROL		081958 - SURFACE MOUNT KIT
	084210 - Highbay Bluetooth PIR MOTION/DLH SENSOR & ADAPTER		081959 - PENDANT MOUNT KIT
	084215 - BLUETOOTH 3-KEY AC LINE VOLTAGE WALL SWITCH 120-277VAC, 3-KEYS (ON/OFF, DIM+, DIM-)		081961 - LH1S WIRE GUARD 081962 - LH2S WIRE GUARD 081963 - LH3S WIRE GUARD
	084633 - BLUETOOTH 5-KEY BATTERY POWERED WIRELESS WALL SWITCH & PLATE ¹		

¹ Wireless Bluetooth module can also be used as portable remote control.

DIMENSIONS

LH1S-LED



LH2S-LED

