



LHS-LED

Linear Highbay



The LHS-LED Series of linear highbay luminaires is highly versatile with industry leading selectable features and a high lumen package while keeping a compact design and contractor-friendly installation. Its durability and high efficiency make it ideal for illuminating a wide range of industrial and commercial facilities and is an optimal one-to-one replacement for conventional lighting systems such as HID and fluorescent.

IDEAL APPLICATIONS

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

SPECIFICATIONS

	LH1S-LED110A60	LH2S-LED165A100
PERFORMANCE		
Light Output	15900/12400/9300 lm (Lumen Selectable)	23500/19900/15300 lm (Lumen Selectable)
Efficacy	155 lm/W	153 lm/W
CCT	3500/4000/5000K (CCT Selectable)	
Beam Distribution	Wide (90°x90°), Narrow (45°x90°) - Field Changeable	
Replaces Up to	250 MH	400 MH
LED Lifetime (L80)	>100,000 Hrs	
CRI	84	85
ELECTRICAL		
Wattage	105/80/60W	160/130/100W
Voltage	120-347V	
Surge Protection	6kV (Built-in Driver) as per IEC/EN61000-4-5	
Power Factor	>0.99	
THD	<4%	
Cord	Pre-installed 10' Power Cable (3x18 AWG)	
Battery Backup	9W (Option Available)	

	LH1S-LED110A60	LH2S-LED165A100
CONSTRUCTION		
Housing	Die-cast Aluminum	
Lens	Glare-free Polycarbonate	
Weight	4.40 lbs	6.16 lbs
	10' Power Cable - Additional 1 lb	
AMBIENT OPERATING TEMPERATURE		
Fixture: -40°C to 55°C		
Motion Sensor: -30°C to 55°C		
Battery Backup: 0°C to 55°C		
MOUNTING		
Suspension Mount - V-Hooks & Chain (Included), Aircraft Cable, Surface Mount & Pendant Mount		
CERTIFICATIONS		
cULus Listed for Canada and USA, per UL 1598, CSA C22.2 No. 250.0		
DLC Premium		
CONTROLS		
0-10V Dimming (Dim to Off)		
PIR/ Microwave Motion Sensor/Dimmer (Dual Functionality)		

All reported values were tested at 120V and 4000K and shown for the highest lumen setting.

FIELD CHANGEABLE OPTICS

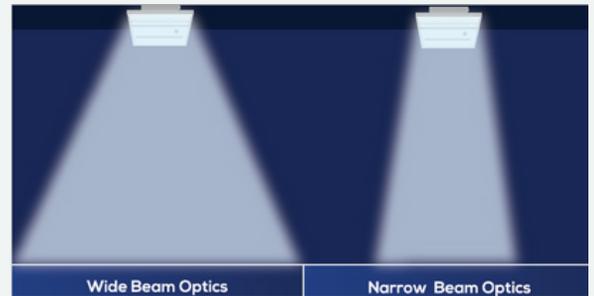


TOOLLESS SWAP IN LESS THAN 1 MIN

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



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



LUMEN MAINTENANCE		
L90	L80	L70
51,000 Hrs	105,000 Hrs	165,000 Hrs

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

	MAX AMPERAGE DRAW (A)				
	120V	208V	240V	277V	347V
LH1S-LED110A60	0.919	0.530	0.459	0.398	0.318
LH2S-LED165A100	1.400	0.808	0.700	0.606	0.484

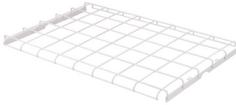
ORDERING GUIDE

Fixture	Wattage	Voltage	Colour Temp.	Beam Distribution	Finish	Dimming	Battery Backup
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 BBK9 - 9W Battery Backup ¹
LH2S	LED165A100						

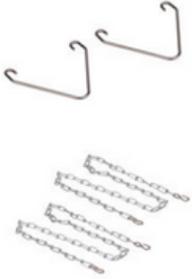
¹Battery Backup is for suspension mount and surface mount only.

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

ACCESSORIES SOLD SEPARATELY

	081960 - AIRCRAFT CABLE - 10 ft Length
	081958 - SURFACE MOUNT KIT
	081959 - PENDANT MOUNT KIT
	081961 - LH1S WIRE GUARD 081962 - LH2S WIRE GUARD
	080909 - MICROWAVE SENSOR (50 ft max height) 081300 - PIR SENSOR 1 (20ft max height) 081837 - PIR SENSOR 2 (40ft max height) All motion sensors can be used as dimmer only.
	080970 - MOTION SENSOR REMOTE CONTROL

INCLUDED IN THE BOX

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

MOTION SENSOR SPECIFICATIONS

Operating Voltage	12VDC
Operating Current	30mA
Output Voltage	0-10V
Stand-by Power	<0.5W
Maximum Mounting Height/Range	
Maximum Detection Angle	360°
IP Rating	IP65
Brightness	70%/80%/90%/100%*
Sensitivity	20%/50%/75%/100%*
Hold Time	10s/1min*/10min/30min
Daylight Threshold	10Lux/30Lux/50Lux/100Lux/Disabled*
Stand-by Time	1min*/30min/60min/+∞
Stand-by Dim Level	10%/20%*/30%/50%

Default settings marked with *

Default Setting: After no motion for 1min (hold time), the fixture will dim from 100% (brightness) to 20% (stand-by dim level). After no motion for another 1 min (stand-by time), the fixture will turn off.

For instructions on programming the motion sensor remote control, please see the Installation Instructions.

BATTERY BACKUP SPECIFICATIONS

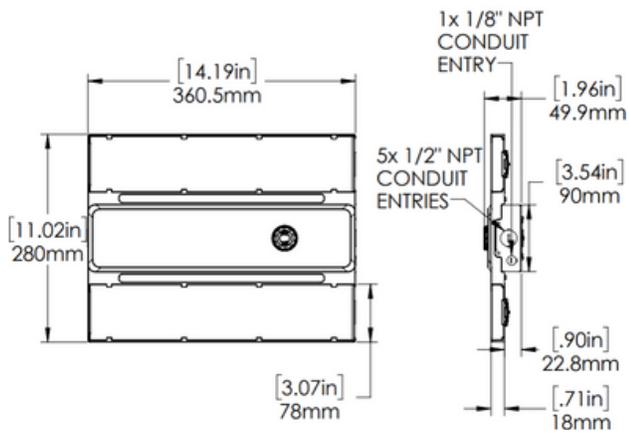
Input Power	8W
Input Voltage	120-347V
Output Power	9W
Recharge Current	0-500mA
Recharge Time	24 to 48 Hrs
Discharge Time	90 min
Service Life	50,000 Hrs
IP Rating	IP20
Installation	Factory installed in a junction box that comes mounted on the fixture



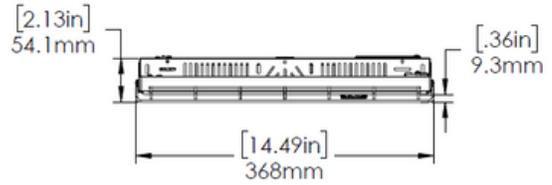
DIMENSIONS

LHS-LED

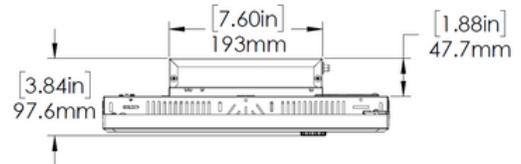
LHS Fixture



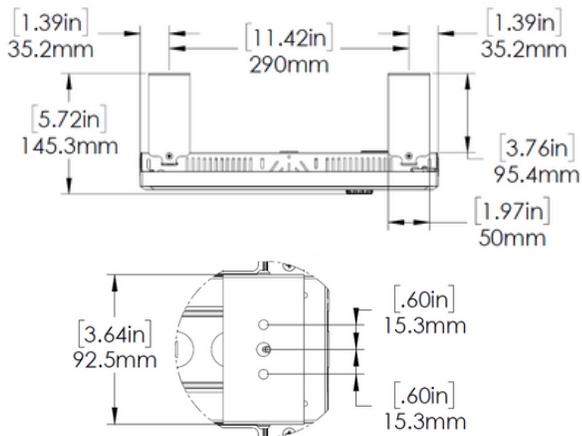
LHS Wire Guard



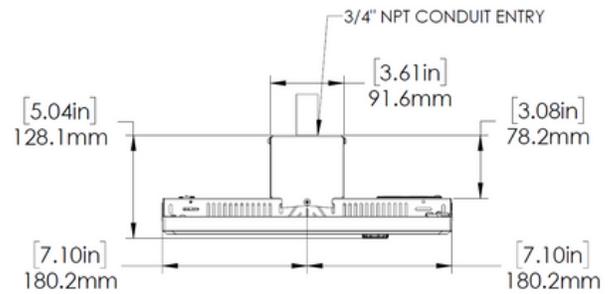
LHS Battery Backup



LHS Surface Mount Kit

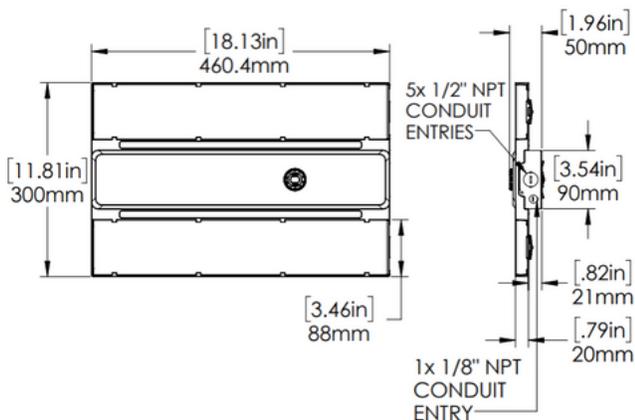


LHS Pendant Mount Kit

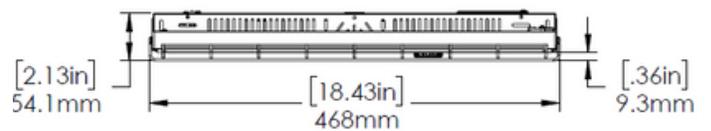


LH2S-LED

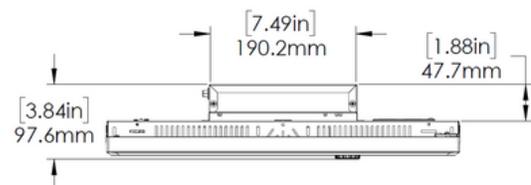
LH2S Fixture

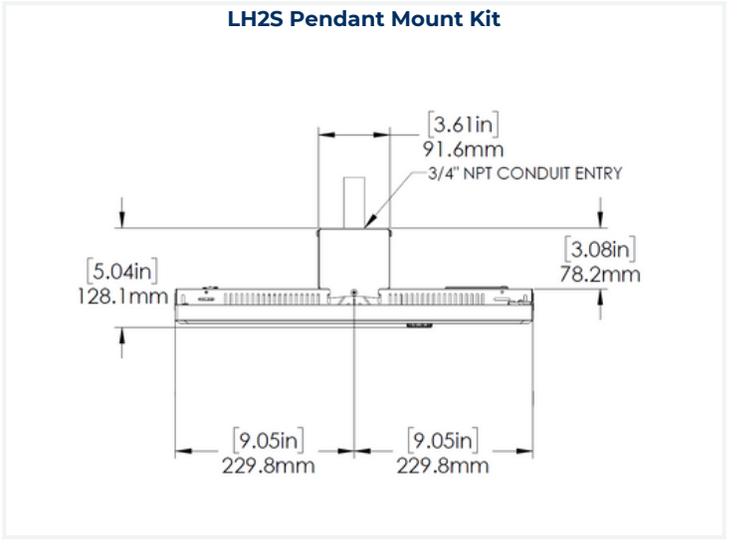
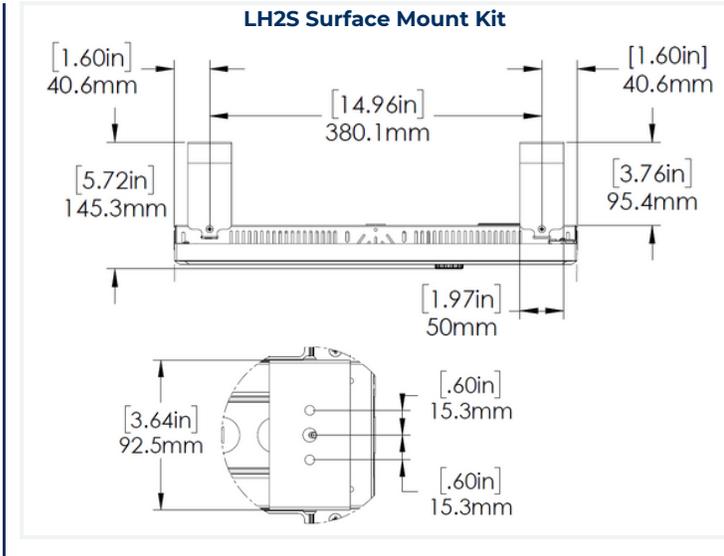


LH2S Wire Guard

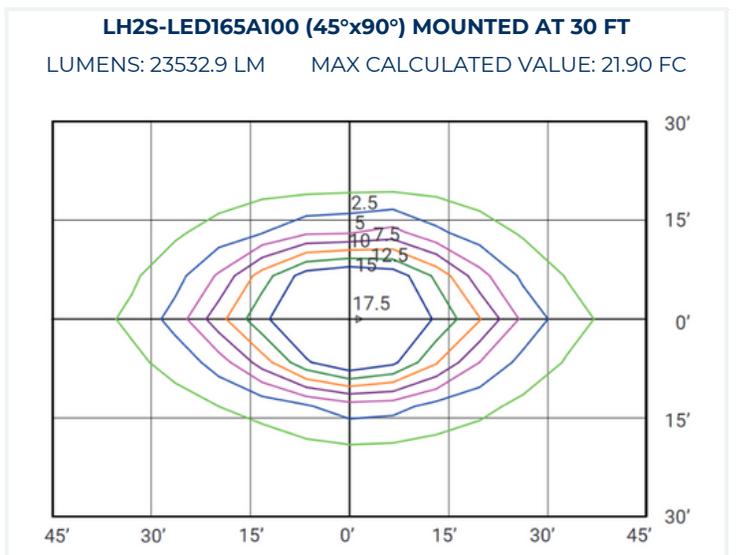
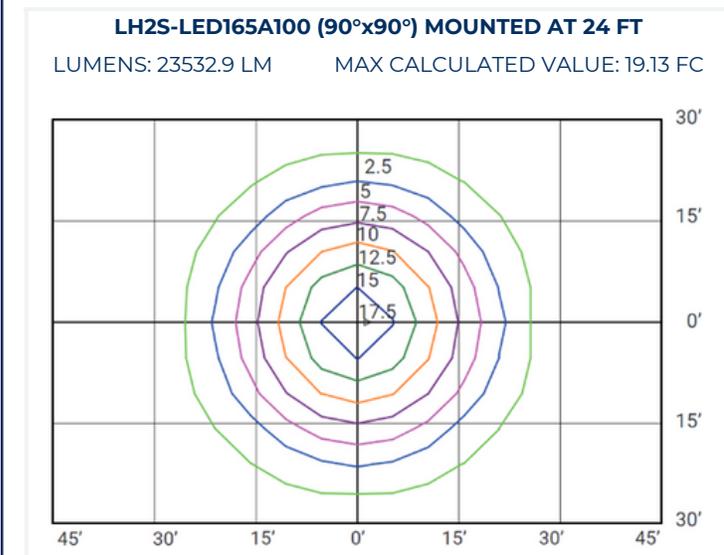
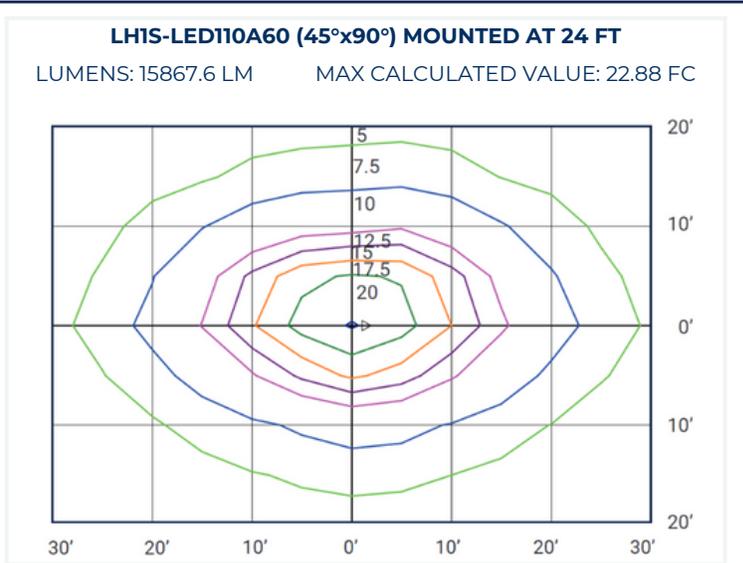
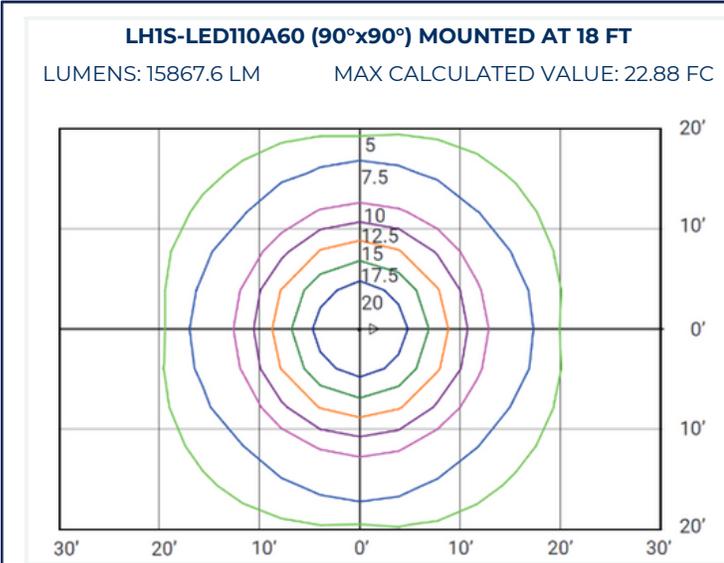


LH2S Battery Backup





PHOTOMETRIC PLOTS



NOTE: Photometric plots are shown at the maximum lumen setting, 120V and 4000K.