LHS1 | VERSATILE LINEAR HIGH BAY

The LHS1 fixture series combines traditional single lens design with contemporary power and color select technology, offering versatility for most high bay applications. With easy-to-deploy controls and convenient modification options, EiKO provides a reliable, adaptable solution that meets building codes and custom requirements for any high bay project.

DLC LISTED PREMIUM · POWER SET · COLOR SET · CONTROLS READY · UL CERTIFIED · RoHS Compliant · CAN ICES-005 · FC · DIMMABLE · DAMP LOCATION · 5 YR LIMITED WARRANTY

FEATURES AND BENEFITS

PERFORMANCE

- Power & Color Select Technology for simplified SKU management and field customization.
  - PowerSET – 4 Power settings
  - ColorSET – 2 CCT settings (4000/5000K)
- Full spectrum input voltage coverage:
  - 120-347V and 277-480V options
- Wide range of lumen packages (7,500 – 66,000 lumens) provide solutions for mounting heights up to 60'.
- Diffused polycarbonate lens for reduced glare (beam angle 95⁰).
- Heavy gauge steel housing and impact resistant lens for robust and reliable installation.
- Technical performance:
  - CRI >80
  - Efficacy up to 150 LPW
  - Lumen Maintenance 70% (L70) at > 100,000Hrs
  - THD <20%, Power Factor >0.9
  - Surge Protection:
    - 6kV included
    - Operating Temp Range (°F/°C): -40°F to 122°F (-40°C to 50°C)
- All products are DesignLights Consortium® (DLC) Premium listed.

INSTALLATION

- Accessories included in the box:
  - 10'/600V rated power cord
  - 6.5' aircraft cable with V hooks
- Multiple mounting options available:
  - V Hook & Chain
  - Threaded Rod & Surface Mount
  - Pendant Mount
- Available wire guard options in each size for added security

CONTROLS

- Standard 0-10V dimming with Dim-to-Off.
- Controls Ready design for standalone and networked control options.
  - Ships with controls ready receptacle for field installation.
  - EiKO Plug-and-Play sensors and controls available.
- 3rd Party network control options through factory customizations.

CUSTOMIZATION

- Factory installed options to meet custom requirements and building codes:
  - 90-minute emergency lighting
  - 10kV/20kV surge protection
  - 3rd party networked controls
  - Custom cord lengths and plugs

APPLICATIONS

- Warehouses
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Data Centers
- Manufacturing Plants
- Cold Storage
- Big Box Retail
- Indoor Recreational Facilities
- Vehicle Maintenance Facilities

DLC LISTING INFORMATION

ORDER CODE	NAME	DLC PRODUCT ID	DLC CLASSIFICATION
120-347V POWER & COLOR SELECTABLE MODELS			
15127	LHS1-PS90-8FCCT-HDIM	S-XDCTY9	Premium
15129	LHS1-PS160-8FCCT-HDIM	S-6L2391	Premium
15131	LHS1-PS200-8FCCT-HDIM	S-C7K0F0	Premium
15132	LHS1-PS240-8FCCT-HDIM	S-VGXD62	Premium
15133	LHS1-PS320-8FCCT-HDIM	S-JQSNLQ	Premium
15134	LHS1-PS440-8FCCT-HDIM	S-FB0R38	Premium
277-480V POWER & COLOR SELECTABLE MODELS			
15135	LHS1-PS160-8FCCT-VDIM	S-9YS7L7	Premium
15136	LHS1-PS240-8FCCT-VDIM	S-JWV16G	Premium
15137	LHS1-PS320-8FCCT-VDIM	S-5RF4MK	Premium
15138	LHS1-PS440-8FCCT-VDIM	S-QX9GDJ	Premium

All fixtures ship at the highest wattage setting and at 5000K CCT.

AVAILABLE MODELS
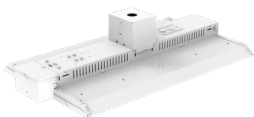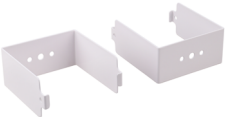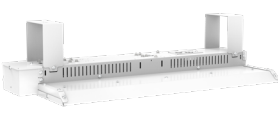
ORDER CODE	MODEL	WATTS (W)	COLOR TEMPERATURE (CCT)	LUMEN OUTPUT (lm)	INPUT VOLTAGE (VAC)	SIZE
120-347V						
15127	LHS1-PS90-8FCCT-HDIM	90/75/60/50W	4000/5000K	13,500/11,250/9,000/7,500 lm	120-347V	24" x 11"
15129	LHS1-PS160-8FCCT-HDIM	160/130/110/90W	4000/5000K	24,000/19,500/16,500/13,500 lm	120-347V	24" x 15"
15131	LHS1-PS200-8FCCT-HDIM	200/180/160/140W	4000/5000K	30,000/27,000/24,000/21,000 lm	120-347V	24" x 15"
15132	LHS1-PS240-8FCCT-HDIM	240/220/200/180W	4000/5000K	36,000/33,000/30,000/27,000 lm	120-347V	44.2" x 12.6"
15133	LHS1-PS320-8FCCT-HDIM	320/300/280/260W	4000/5000K	48,000/45,000/42,000/39,000 lm	120-347V	44.2" x 12.6"
15134	LHS1-PS440-8FCCT-HDIM	440/400/380/360W	4000/5000K	66,000/60,000/57,000/54,000 lm	120-347V	44.2" x 15"
277-480V						
15135	LHS1-PS160-8FCCT-VDIM	160/130/110/90W	4000/5000K	24,000/19,500/16,500/13,500 lm	277-480V	24" x 15"
15136	LHS1-PS240-8FCCT-VDIM	240/220/200/180W	4000/5000K	36,000/33,000/30,000/27,000 lm	277-480V	44.2" x 12.6"
15137	LHS1-PS320-8FCCT-VDIM	320/300/280/260W	4000/5000K	48,000/45,000/42,000/39,000 lm	277-480V	44.2" x 12.6"
15138	LHS1-PS440-8FCCT-VDIM	440/400/380/360W	4000/5000K	66,000/60,000/57,000/54,000 lm	277-480V	44.2" x 15"

ORDERING GUIDE

MODEL CONFIGURATOR					FACTORY INSTALLED OPTIONS			
MODEL	WATTS	COLOR TEMPERATURE	INPUT VOLTAGE	DIMMING	CORD LENGTH	CORD END	SURGE PROTECTION	EMERGENCY OPTIONS
LHS1		**8FCCT**		**DIM**				
LHS1	**PS90 -** 90W **PS160 -** 160W **PS200 -** 200W **PS240 -** 240W **PS320 -** 320W **PS440 -** 440W	**8** – CRI > 80 **FCCT** – Field Color Selectable (4000K/5000K)	**H -** 120-347V **V -** 277-480V	**DIM -** 0-10V	**[Blank] -** 10' 18/3 600V white cord **W3xx -** 600V 18/6 cord with dimming wires and a 24/7 hot wire for battery backup (Cord end option is not available)	**[Blank]** - Default, no cord end **N01 -** 125V 15A straight plug **N02 -** 250V 15A straight plug **N04 -** 125V 15A locking plug **N05 -** 250V 15A locking plug **N06 -** 277V 15A locking plug **N07 -** 125V 20A straight plug **N08 -** 250V 20A straight plug **N11 -** 250V 20A locking plug **N12 -** 277V 20A locking plug **N13 -** 347V 20A locking plug **N14 -** 480V 20A locking plug	**[Blank]** - Default, no additional protection **SP1 -** 10kV surge protection **SP2 -** 20kV surge protection	**[Blank]** - Default, no Emergency option **EB18** - 18W Emergency Battery pack, CEC, 120-347V (for PS90 & PS160 only) **EB40H** - 40W Emergency Battery pack, CEC, 120-347V **EB40V** - 40W Emergency Battery pack CEC, 277-480V

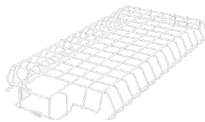**EXAMPLE PART NUMBER: LHS1-PS160-8FCCT-HDIM-W310-SP2-EB40**

MOUNTING SYSTEMS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
Included			V-Hooks & 6.5' Aircraft cable	
	13815	LH1-VCK	V-Hook & Chain Kit.	
	13816	LH1-PMK*	Pendant Mount Kit.	
	13817	LH1-TRSMK	Threaded Rod & Surface Mount Kit.	

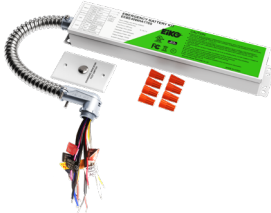*Pendant mount kit is not compatible with battery backups when used with 90W, 160W, and 200W fixtures.

View Installation Video

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WIRE GUARDS

ORDER	ORDER CODE	NAME	DESCRIPTION	IMAGES
	15362	LHS1-WG-S	Linear High Bay Wire Guard for 90W	
	15363	LHS1-WG-M	Linear High Bay Wire Guard for 160-200W	
	15364	LHS1-WG-L	Linear High Bay Wire Guard for 240-320W	
	15365	LHS1-WG-XL	Linear High Bay Wire Guard for 440W	

EMERGENCY LIGHTING SOLUTIONS

ORDER	ORDER CODE	NAME	DESCRIPTION	IMAGES	FACTORY INSTALLED CODE
	11675	EEBE18WHA170S* *View spec sheet*	**EiKO 18W (For PS90 & PS160 ONLY)** - 120-347V Emergency battery pack. Single Flex- Conduit CEC Compliant. See spec sheet for full details.		EB18
	13574	EEBE40WHA170S* *View spec sheets*	**EiKO 40W (For PS90-PS440 HDIM)** - 120-347V Emergency battery pack for use with LHS1 120-347V fixtures. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output. Single Flex- Conduit CEC Compliant. See spec sheet for full details.		EB40H
	13571	EEBE40WVA500* *View spec sheets*	**EiKO 40W (For PS90-PS440 VDIM)** - 277- 480V Emergency battery pack for use with LHS1 277-480V fixtures. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output. Single Flex- Conduit CEC Compliant. See spec sheet for full details.		EB40V
	14383	LH1-ZBRK	Bracket for mounting EiKO emergency battery packs directly to the fixture.		

WARNING: *When using these AC version battery packs with any controls solution, internal rewiring is required according to the installation sheets' wiring diagram. Failure to do so may result in a violation of safety codes.*

FLUORESCENT & HID REPLACEMENTS GUIDE

FLUORESCENT	HID	LHS1 WATTS	LUMEN OUTPUT (lm)	INPUT VOLTAGE	MODEL
2xT5HO, 4xT8	250W MH	90/75/60/50W	13,500/11,250/9,000/7,500 lm	120-347V	LHS1-PS90-8FCCT-HDIM
4xT5HO, 6xT8	400W MH	160/130/110/90W	24,000/19,500/16,500/13,500 lm	120-347V	LHS1-PS160-8FCCT-HDIM
				277-480V	LHS1-PS160-8FCCT-VDIM
10xT8	450W PS	200/180/160/140W	30,000/27,000/24,000/21,000 lm	120-347V	LHS1-PS200-8FCCT-HDIM
8 xT5HO	750W MH	240/220/200/180W	36,000/33,000/30,000/27,000 lm	120-347V	LHS1-PS240-8FCCT-HDIM
				277-480V	LHS1-PS240-8FCCT-VDIM
10xT5HO	1000W MH	320/300/280/260W	48,000/45,000/42,000/39,000 lm	120-347V	LHS1-PS320-8FCCT-HDIM
				277-480V	LHS1-PS320-8FCCT-VDIM
12 xT5 HO		440/400/380/360W	66,000/60,000/57,000/54,000 lm	120-347V	LHS1-PS440-8FCCT-HDIM
				277-480V	LHS1-PS440-8FCCT-VDIM

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Field-installable, screw-in, plug-and-play sensors transform EiKO controls ready fixtures into smart lighting devices which respond to the environment and save time, cost and energy consumption, in applications up to 40ft.

Configure EiKO standalone sensor settings using the sensor commissioning tool to achieve desired behavior and enable advanced light control functions, such as Daylight Harvesting and Dusk-to-Dawn dimming.

PIR: SEN5A-SPPR-WH

Recommended use:
- Applications with stable operating temperatures
- Direct line of sight and accurate positioning
- Away from direct sunlight or rapidly changing temperature sources like, HVAC vents.

View spec sheets for complete product information.

MICROWAVE: SEN5A-SPMR-WH

Recommended use:
- Low Temp applications (i.e commercial freezers)
- Install on fixed mounted fixtures (not recommended for suspended fixtures)
- Away from motor objects like fans & machinery

View spec sheets for complete product information.

ORDER CODE	MODEL	DESCRIPTION	IMAGE
13861	SEN5A-SPPR-WH	Standalone Screw-in PIR Motion Sensor	
13859	SEN5A-SPMR-WH	Standalone Screw-in Microwave Motion Sensor	
SEN5A COMMISSIONING TOOL			
13344	SEN5A-ACT	Commissioning Tool for SEN5A	

EiKO Standalone sensors come with default settings below:

- Brightness: 100%
- Sensitivity: 75%
- Hold Time: 10 minutes
- Daylight Function: Disable
- Dim level: 30%
- Dim Time: 1 minute

BLUETOOTH NETWORKED SENSOR

EiKO's field-installable screw-in Bluetooth (BLE) enabled PIR sensor brings network control capabilities to EiKO Controls Ready fixtures.

Use the Silvair Commissioning app to set up and configure the sensor settings and your lighting network.

Pair multiple SENA-WPPR-WH enabled fixtures to create zone and group level control. Add compatible wall stations or switches to complete your desired control plan and advanced control strategies all through the Silvair App.

No hubs, routers, gateways required.

PIR : SENA-WPPA-WH

View spec sheets for complete product information.

Powered by:
SILVAIR

Web App: platform.silvair.com

| ORDER CODE	MODEL	DESCRIPTION	IMAGE
13865	SENA-WPPA-WH	Bluetooth (BLE) Screw-in PIR Motion sensor	
SELF-POWERED WIRELESS WALL SWITCHES			
12654	ESRPB-W-EO	Single - Bluetooth self-powered kinetic rocker switch White, Wall plate included	
12655	EDRPB-W-EO	Double - Bluetooth self-powered kinetic rocker switch White, Wall plate included	
WIRELESS 120-277V WALL CONTROLLERS			
12635	PSC-DM-WS-100-BLE-SR	Bluetooth Single Gang Single Button Wall Controller, 120-277V White, Parameters set by Silvair App.	
12636	PSC-DM-I-WS-100-BLE-SR	Bluetooth PIR Occupancy/ Vacancy Sensor, 120-277V, Single Gang Wall Controller, White, Parameters set by Silvair App.	
12637	PSC-DM-WS-400-BLE-SR	Bluetooth 4-Button Wall Controller, 120-277V, Single Gang, White, Parameters set by Silvair App.	

1 Remove 1/2" knockout plug on front plate of fixture.
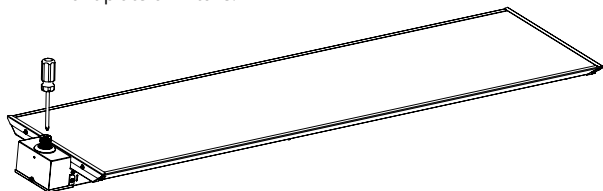
2 Screw sensor in place until tight.
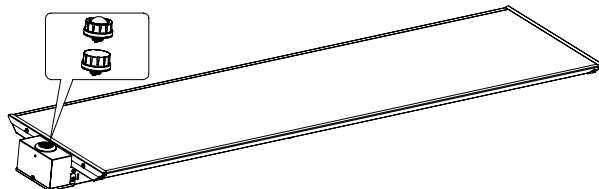
STANDALONE VS NETWORKED CONTROL

FEATURE	STANDALONE CONTROLS	NETWORKED CONTROLS
Operation	Independent	Zone/Group
Commissioning Method	Remote Control (optional)	App (required)
Daylight Harvesting	✓	✓
Sensitivity Adjustment	✓	✓
Time Delay	✓	✓
Occupancy Sensing	✓	✓
Scheduling		✓
Energy Monitoring		✓
Remote Access		✓
Manual Override		Wireless Wall Controller

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PRODUCT DIMENSIONS

2.76" / 70mm   11" / 280mm

24" / 609mm   25.8" / 656mm
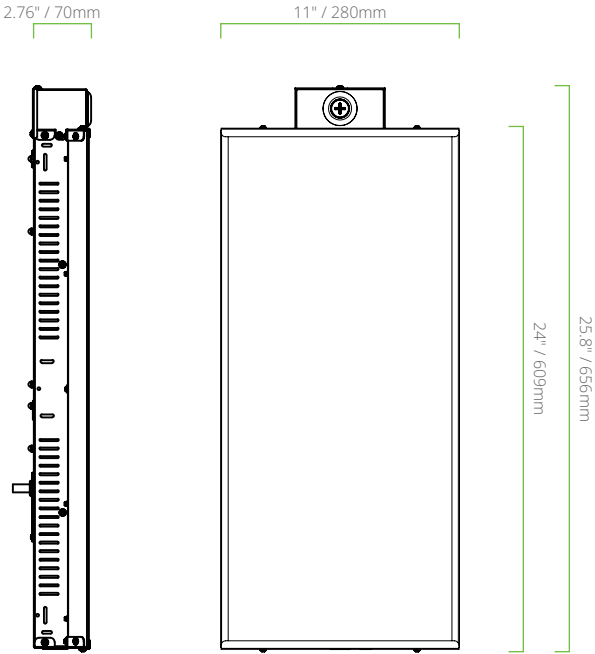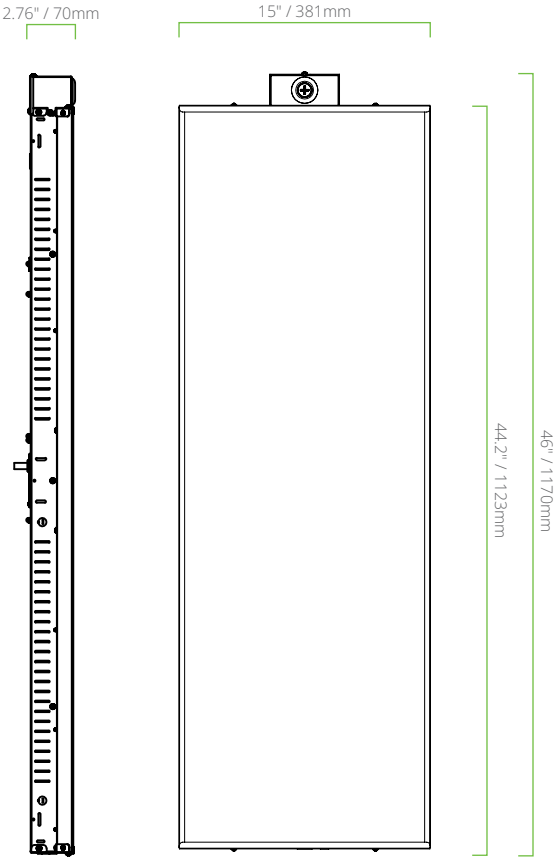
MODELS: LHS1-PS90W
Weight: 8.4 lbs / 3.82 kg
Master Carton Weight: 10.78 lbs
Dimensions: 26.57" x 4.13" 11.81"

2.76" / 70mm   15" / 381mm

24" / 609mm   25.8" / 656mm
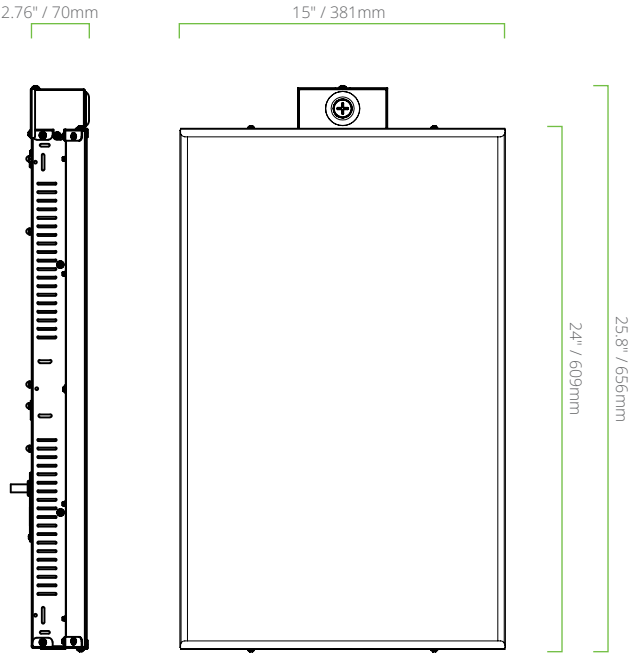
MODELS: LHS1-PS160 - 200W
160W Weight: 9.3 lbs / 4.22 kg
200W Weight: 9.6 lbs / 4.37 kg
Master Carton: Weight: 12.54 lbs
Dimensions: 26.57" x 4.13" x 15.75"

2.76" / 70mm   12.6" / 320mm

44.2" / 1123mm   46" / 1170mm
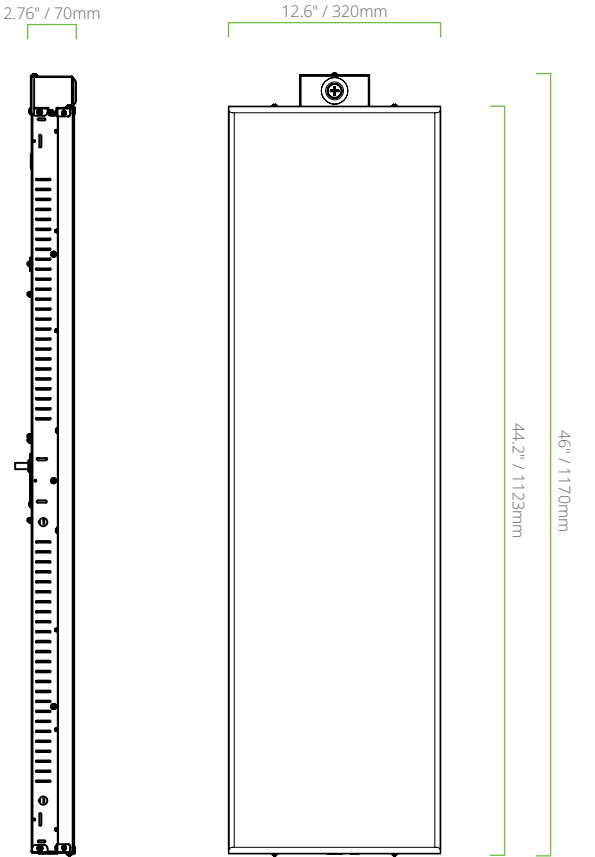
MODELS: LHS1-PS240W - 320W
240W Weight: 13.5 lbs / 6.13 kg
320W Weight: 14.6 lbs / 6.62 kg
Master Carton Weight: 17.6 lbs
Dimensions: 47.05" x 4.13" 13.58"

2.76" / 70mm   15" / 381mm

44.2" / 1123mm   46" / 1170mm

MODELS: LHS1-PS440W
440W Weight: 16.2 lbs / 7.37 kg
Master Carton Weight: 10.24 lbs
Dimensions: 47.05" x 4.13" x 15.94"

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