



|                |         |
|----------------|---------|
| project name   | type    |
| catalog number | voltage |
| approved by    | date    |

## LH1 PRO LINEAR HIGH BAY

The LH1 Pro fixture is the smart choice for reliable, high-performance lighting. Engineered for superior light distribution, it delivers even illumination with precise beam control. Its advanced optics provide a 90° wide beam distribution to light up large areas effectively, while an optional 65° lens is perfect for warehouse aisle lighting. Featuring 6 Power and Color select SKUs and 4 fixed Power and CCT SKUs, the LH1 Pro excels in demanding spaces.



## FEATURES AND BENEFITS

### PERFORMANCE

- 6 Power & Color Select SKUs for simplified inventory management and field customization.
  - PowerSET – 4 Power settings
  - FieldCCeT – 2 CCT settings (4000/5000K)
- 4 fixed Power and CCT SKUs for cost-conscious projects.
- Full spectrum input voltage coverage: 120-277V , 120-347V and 277-480V options
- Wide range of lumen packages (13,500 – 66,000 lumens) provide solutions for mounting heights up to 60'.
- Diffused polycarbonate lens for reduced glare (beam angle 90°).
- Aisle lens optics option ideal for warehouse aisles (beam angle 65°)
- Die cast aluminum 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
  - All products are DesignLights Consortium® (DLC) Premium listed.

### INSTALLATION

- Accessories included in the box:
  - 10'/600V rated power cord for 120-347V models
  - 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:
  - 65° aisle lens optics
  - 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

## AVAILABLE MODELS

| ORDER CODE                      | MODEL            | DLC PRODUCT ID | DLC CLASSIFICATION |
|---------------------------------|------------------|----------------|--------------------|
| STATIC POWER & COLOR MODELS     |                  |                |                    |
| 13408                           | LH1-130-50-U     | S-JKLP3W       | Premium            |
| 13422                           | LH1-160-50-U     | S-D7N8KC       | Premium            |
| 13424                           | LH1-160-50-V     | S-8RVEPX       | Premium            |
| 13428                           | LH1-200-50-U     | S-AXHMF3       | Premium            |
| POWER & COLOR SELECTABLE MODELS |                  |                |                    |
| 14980                           | LH1-PS160-FCCT-H | S-AWCZVT       | Premium            |
| 14981                           | LH1-PS240-FCCT-H | S-6CGSFV       | Premium            |
| 15642                           | LH1-PS320-FCCT-H | S-0VPVRH       | Premium            |
| 15643                           | LH1-PS320-FCCT-V | S-PW8WS0       | Premium            |
| 15644                           | LH1-PS440-FCCT-H | S-1W740D       | Premium            |
| 15645                           | LH1-PS440-FCCT-V | S-4DGW9G       | 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          |
|------------|------------------|-----------------|-------------------------|-----------------------------|---------------------|---------------|
| 120-277V   |                  |                 |                         |                             |                     |               |
| 13408      | LH1-130-50-U     | 130             | 5000                    | 19,500                      | 120-277             | 23" x 11"     |
| 13422      | LH1-160-50-U     | 160             | 5000                    | 24,000                      | 120-277             | 23" x 11"     |
| 13428      | LH1-200-50-U     | 200             | 5000                    | 30,000                      | 120-277             | 23" x 11"     |
| 120-347V   |                  |                 |                         |                             |                     |               |
| 14980      | LH1-PS160-FCCT-H | 160/130/110/90  | 4000/5000               | 24,000/19,500/16,500/13,500 | 120-347             | 23" x 11"     |
| 14981      | LH1-PS240-FCCT-H | 240/220/200/180 | 4000/5000               | 36,000/33,000/30,000/27,000 | 120-347             | 23" x 11"     |
| 15642      | LH1-PS320-FCCT-H | 320/300/280/260 | 4000/5000               | 48,000/45,000/42,000/39,000 | 120-347             | 23" x 12.5"   |
| 15644      | LH1-PS440-FCCT-H | 440/400/380/360 | 4000/5000               | 66,000/60,000/57,000/54,000 | 120-347             | 29.5" x 14.3" |
| 277-480V   |                  |                 |                         |                             |                     |               |
| 13424      | LH1-160-50-V     | 160             | 5000                    | 24,000 lm                   | 277-480             | 23" x 11"     |
| 15643      | LH1-PS320-FCCT-V | 320/300/280/260 | 4000/5000               | 48,000/45,000/42,000/39,000 | 277-480             | 23" x 12.5"   |
| 15645      | LH1-PS440-FCCT-V | 440/400/380/360 | 4000/5000               | 66,000/60,000/57,000/54,000 | 277-480             | 29.5" x 14.3" |

| ORDERING GUIDE     |  |   |   |  |  |  |  |   |
|--------------------|--|---|---|--|--|--|--|---|
| MODEL CONFIGURATOR |  |   |   | FACTORY INSTALLED OPTIONS  |  |  |  |   |
| MODEL              | WATTS  | COLOR TEMPERATURE   | INPUT VOLTAGE   | LENS   | CORD LENGTH  | CORD END   | SURGE PROTECTION   | EMERGENCY OPTIONS   |
| LH1                |  |   |   |  |  |  |  |   |
| LH1                | <b>PS</b> - Power Selectable<br><b>130</b> - 130W<br><b>160</b> - 160W<br><b>200</b> - 200W<br><b>240</b> - 240W<br><b>320</b> - 320W<br><b>440</b> - 440W | <b>50</b> - 5000K<br><b>FCCT</b> - Field Color Selectable (4000K/5000K) | <b>U</b> - 120-277V<br><b>H</b> - 120-347V<br><b>V</b> - 277-480V | <b>[Blank]</b> - Default, 90 degree lens<br><b>65L</b> - 65 degree aisle lens (Not DLC Listed) | <b>[Blank]</b> - Default, no length*<br><b>W1xx</b> - 300V 18/3 white cord<br><b>W2xx</b> - 600V 18/3 white cord<br><b>W3xx</b> - 600V 18/6 white cord with dimming wires and a 24/7 hot wire for battery backup (Cord end option is not available)<br><br><b>*all 120-347V Models come with 10' External Cord</b> | <b>[Blank]</b> - Default, no cord end<br><b>N01</b> - 125V 15A straight plug 5-15P<br><b>N04</b> - 125V 15A locking plug L5-15P<br><b>N06</b> - 277V 15A locking plug L7-15P<br><b>N12</b> - 277V 20A locking plug L7-20P<br><b>N13</b> - 347V 20A locking plug L24-20P<br><b>N14</b> - 480V 20A locking plug L8-20P | <b>[Blank]</b> - Default, no additional protection<br><b>SP10U</b> - 10kV surge protection 120-277V<br><b>SP10V</b> - 10kV surge protection 277-480V<br><b>SP20U</b> - 20kV surge protection 120-277V<br><b>SP20V</b> - 20kV surge protection 277-480V | <b>[Blank]</b> - Default, no Emergency option<br><b>EB18</b> - 18W Emergency Battery pack, CEC, 120-347V<br><b>EB40H</b> - 40W Emergency Battery pack, CEC, 120-347V<br><b>EB40V</b> - 40W Emergency Battery pack CEC, 277-480V |

EXAMPLE PART NUMBER: LH1-PS160-FCCT-H-65L-W310-SP20V-EB40H

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.

WIRE GUARDS

| ORDER | ORDER CODE | ITEM #    | DESCRIPTION                 | IMAGES |
|-------|------------|-----------|-----------------------------|--------|
|       | 13818      | LH1-WG    | LH1 Wire Guard for 90-240W. |        |
|       | 13819      | LH1-WG-L  | LH1 Wire Guard for 320W.    |        |
|       | 13820      | LH1-WG-XL | LH1 Wire Guard for 440W.    |        |

OPTICAL LENS ACCESSORIES

| ORDER | ORDER CODE | ITEM #         | DESCRIPTION  | IMAGES |
|-------|------------|----------------|--|--------|
|       | 14369      | LH1-LENS-65    | LH1 Aisle Lens, 65 Degree, for 90-240W. (Field or factory install) |        |
|       | 14371      | LH1-LENS-65-L  | LH1 Aisle Lens, 65 Degree, for 320W. (Field or factory install)    |        |
|       | 14372      | LH1-LENS-65-XL | LH1 Aisle Lens, 65 Degree, for 440W. (Field or factory install)    |        |

\* Pendant mount kit is not compatible with battery backups.

Field optics swap in seconds: snap the standard 90° wide beam lens using a flat screw driver. Slide it out and replace with 65° aisle lens.

EMERGENCY LIGHTING SOLUTIONS

| ORDER | ORDER CODE | ITEM #   | DESCRIPTION  | IMAGES | FACTORY INSTALLED CODE |
|-------|------------|--|--|--------|------------------------|
|       | 11675      | EEBE18WHA170S*<br><a href="#">View spec sheet</a>  | <b>EiKO 18W</b> - 120-347V Emergency battery pack for use with LH1 130W, 160W, and PS160 fixtures. Single Flex- Conduit CEC Compliant. See spec sheet for full details.  |        | EB18                   |
|       | 13574      | EEBE40WHA170S*<br><a href="#">View spec sheets</a> | <b>EiKO 40W</b> - 120-347V Emergency battery pack for use with LH1 fixtures. Single Flex- Conduit CEC Compliant. See spec sheet for full details. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output. |        | EB40H                  |
|       | 13571      | EEBE40WVA500*<br><a href="#">View spec sheets</a>  | <b>EiKO 40W</b> - 277-480V Emergency battery pack for use with LH1 fixtures. Single Flex- Conduit CEC Compliant. See spec sheet for full details. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output. |        | 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.

Please check the light levels on the ground through a lighting layout to ensure it meets egress lighting requirements.

FLUORESCENT & HID REPLACEMENTS GUIDE

| FLUORESCENT  | HID      | LHS1 WATTS       | LUMEN OUTPUT (lm)              | INPUT VOLTAGE    | MODEL            |
|--------------|----------|------------------|--------------------------------|------------------|------------------|
| 2xT5HO, 4xT8 | 175W MH  | 130W             | 13,500 lm                      | 120-277V         | LH1-130-50-U     |
| 4xT5HO, 6xT8 | 400W MH  | 160/130/110/90W  | 24,000 lm                      | 120-277V         | LH1-160-50-U     |
|              |          |                  | 24,000 lm                      | 277-480V         | LH1-160-50-V     |
|              |          |                  | 24,000/19,500/16,500/13,500 lm | 120-347V         | LH1-PS160-FCCT-H |
| 10xT8        | 450W PS  | 200/180/160/140W | 30,000 lm                      | 120-277V         | LH1-200-50-U     |
| 8 xT5HO      | 750W MH  | 240/220/200/180W | 36,000/33,000/30,000/27,000 lm | 120-347V         | LH1-PS240-FCCT-H |
| 10xT5HO      | 1000W MH | 320/300/280/260W | 48,000/45,000/42,000/39,000 lm | 120-347V         | LH1-PS320-FCCT-H |
| 277-480V     |          |                  |                                | LH1-PS320-FCCT-V |                  |
| 12 xT5 HO    |          | 440/400/380/360W | 66,000/60,000/57,000/54,000 lm | 120-347V         | LH1-PS440-FCCT-H |
|              |          |                  |                                | 277-480V         | LH1-PS440-FCCT-V |



# CONTROLS READY

## STANDALONE LIGHT & MOTION SENSORS

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 Silvoir 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 Silvoir App.

No hubs, routers, gateways required.



### PIR : SENA-WPPA-WH






[View spec sheets for complete product information.](#)

Powered by:  
**SILVAIR**

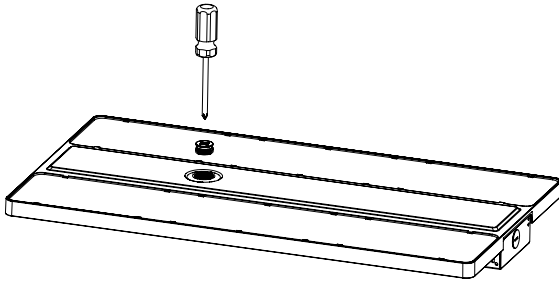


Web App: [platform.silvoir.com](http://platform.silvoir.com)

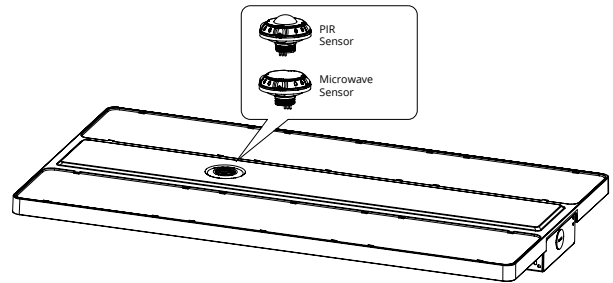


| ORDER CODE                          | MODEL                  | DESCRIPTION   | IMAGE   |   |   |
|-------------------------------------|------------------------|---|---|---|---|
| 13865                               | SENA-WPPA-WH           | Bluetooth (BLE) Screw-in PIR Motion sensor  |   |   |  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

- 1 Remove 1/2" knockout plug on front plate of fixture.



- 2 Screw sensor in place until tight.

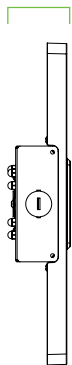


### STANDALONE VS NETWORKED CONTROL

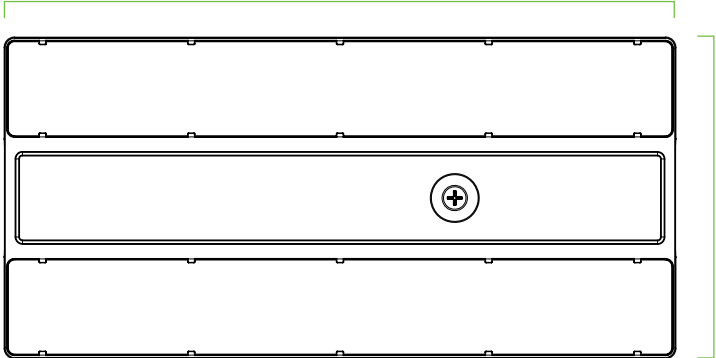
| FEATURE                | STANDALONE CONTROLS       | NETWORKED CONTROLS       |
|------------------------|---------------------------|--------------------------|
| Operation              | Independent               | Zone/Group               |
| Commissioning Method   | Remote Control (optional) |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

PRODUCT DIMENSIONS

2-3/16" / 55mm



23"/585mm

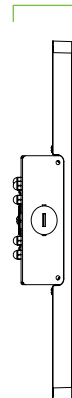


11" / 280 mm

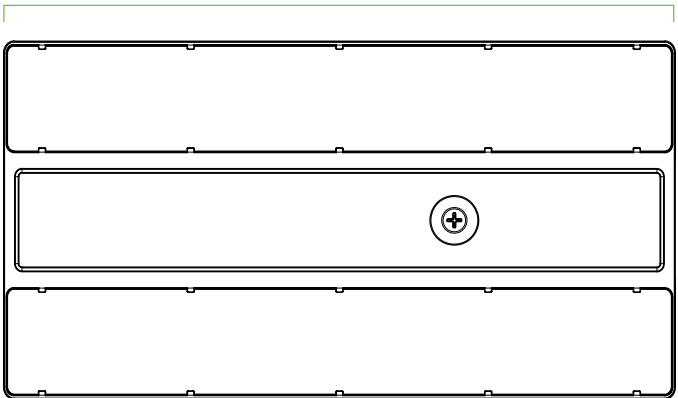
130W - 240W MODELS

Weight: 6.6 lbs / 3.0 kg  
Master Carton Weight: 9 lbs / 4.08 kg  
Dimensions: 26" x 4" X 12"  
LH1-130-50-U Pallet Quantity = 96 units  
Other 130W - 240W Models = 84 units

2-3/16" / 55mm



23"/585mm

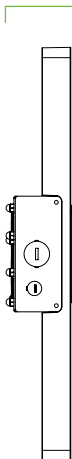


12-5/8" / 320 mm

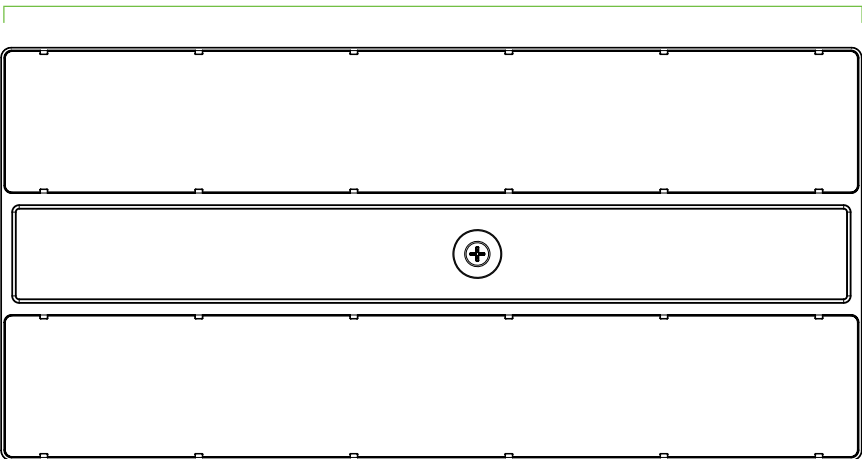
320W MODELS

Weight: 8.2 lbs / 3.7 kg  
Master Carton Weight: 9.8 lbs / 4.5 kg  
Dimensions: 25.5" x 3.75" X 13.5"  
Pallet Quantity = 80 units

2-3/8" / 60mm



29-1/2"/750mm



14-3/16" / 360 mm

440W MODELS

Weight: 13.0 lbs / 5.9 kg  
Pallet Quantity = 56 units  
Master Carton Weight: 15 lbs / 6.8 kg  
Dimensions: 32" x 4" X 15"  
Pallet Quantity = 56 units