



## LHC1 Compact Linear High Bay

### HIGHLIGHTS

- Easy one person installation with lightweight compact design
- Diecast aluminum style with molded heatsink fins for enhanced performance and heat dissipation
- PowerSet feature allows for multiple lumen stops out of the box
- Controls Ready makes adding controls quick and easy. Includes screw-in receptacle for Standalone sensors or Networked Lighting Controls

### CERTIFICATIONS

- UL Certified for US & Canada
- RoHS Compliant
- FCC Compliant
- ICES-005 Compliant
- Damp Location rated
- DesignLights Consortium® Premium Qualified - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

### PERFORMANCE

- High efficacy, up to 140 lm/W
- Available in PowerSet models: power-selectable 150/130/110/90W
- Available in single CCT models: 4000K or 5000K
- CRI: >80
- Beam Angle: 90°
- Estimated L70: 100,000 Hours

### ELECTRICAL

- Input voltage: 120-277V
- 0-10V dimming, dim-to-off
- Surge protection: 6kV
- Power factor: >0.9
- THD: ≤20%

### THERMAL

- -40°F to 122°F (-40°C to 50°C) ambient operating temperature
- Ambient operating temperature with sensor (see selected sensor datasheet)

### CONSTRUCTION

- White powder coated diecast aluminum construction
- Polycarbonate lens

### WARRANTY

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



### APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Indoor Recreational Facilities
- Cold Storage
- Big Box Retail
- Service Repair Centers

## KEY FEATURES

### COMPACT DESIGN

Easy one person installation with lightweight compact size, while also reducing packaging waste

### CONTROLS READY

Easily add controls anytime without the need for additional wiring. Standalone or networked lighting control.

### MULTIPLE WAYS TO INSTALL

Includes V-hook and aircraft cable for suspension installation. Add optional Chain Kit, Pendant Mount or Threaded Rod Surface Mount for greater install flexibility. Wire guard also available



MULTIPLE WAYS TO INSTALL AND WIREGUARD AVAILABLE



## ORDERING GUIDE

### MODEL CONFIGURATOR\*

| MODEL                                 | WATTS                          | CCT                                    | VOLTAGE & DIMMING                  |
|---------------------------------------|--------------------------------|--|------------------------------------|
| <b>LHC1</b> : Linear High Bay Compact | <b>PS150</b> : 150/130/110/90W | <b>40</b> : 4000K<br><b>50</b> : 5000K | <b>U</b> : 120-277V, 0-10V dimming |

\* Not all model combinations are available. See item list on following page for possible combinations

### FACTORY INSTALLED OPTIONS

| CUSTOM CORD LENGTH  | CORD END   |
|---|--|
| <p><b>[Blank]</b>: Default, no cord<br/><b>W1xx</b>: 300V 18/3 white cord</p> <p>Custom length required (in feet)</p> | <p><b>[Blank]</b>: Default, no cord end<br/><b>N01</b>: 125V 15A straight plug<br/><b>N02</b>: 250V 15A straight plug<br/><b>N04</b>: 125V 15A locking plug<br/><b>N05</b>: 250V 15A locking plug<br/><b>N06</b>: 277V 15A locking plug<br/><b>N07</b>: 125V 20A straight plug<br/><b>N08</b>: 250V 20A straight plug<br/><b>N09</b>: 277V 20A straight plug<br/><b>N10</b>: 125V 20A locking plug<br/><b>N11</b>: 250V 20A locking plug<br/><b>N12</b>: 277V 20A locking plug</p> |

**SEE BELOW  
FOR FIELD INSTALLED  
CONTROL OPTIONS**

### MODEL CONFIGURATOR

### FACTORY INSTALLED OPTIONS

| MODEL       | - | WATTS | - | CCT | - | VOLTAGE | - | CORD LENGTH | - | CORD END |
|-------------|---|-------|---|-----|---|---------|---|-------------|---|----------|
| <b>LHC1</b> | - |       | - |     | - |         | - |             | - |          |

EXAMPLE PART NUMBER: LHC1-PS150-40-U-W120-N01

## AVAILABLE MODELS

| ORDER CODE | ITEM #          | WATTS*          | CCT   | LUMENS                             | EFFICACY (lm/W) | VOLTAGE  | TRADITIONAL WATTAGE EQUIVALENT (@90W) | TRADITIONAL WATTAGE EQUIVALENT (@150W)             | DLC ID#  |
|------------|-----------------|-----------------|-------|------------------------------------|-----------------|----------|---------------------------------------|--|----------|
|            |                 |                 |       |                                    |                 |          |                                       |  | PREMIUM  |
| 13141      | LHC1-PS150-40-U | 150/130/110/90W | 4000K | 21,000/18,200/<br>15,400/12,600 lm | 140 lm/W        | 120-277V | 4 lamp 4ft 32W T8<br>250W HID         | 6 lamp 4ft 32W T8<br>4 lamp 4ft 54W T5<br>400W HID | S-X0G6Y4 |
| 13142      | LHC1-PS150-50-U | 150/130/110/90W | 5000K | 21,000/18,200/<br>15,400/12,600 lm | 140 lm/W        | 120-277V | 4 lamp 4ft 32W T8<br>250W HID         | 6 lamp 4ft 32W T8<br>4 lamp 4ft 54W T5<br>400W HID | S-LGRMFE |

\* All power-selectable fixtures ship at the highest wattage setting

## ACCESSORIES

| ORDER  | ORDER CODE | ITEM #     | DESCRIPTION                           |
|--|------------|------------|---------------------------------------|
| <b>MOUNTING &amp; PROTECTION ACCESSORIES</b> |            |            |                                       |
|  | 14232      | LHC1-VCK   | LHC1 V-Hook & Chain Kit               |
|  | 14233      | LHC1-PMK   | LHC1 Pendant Mount Kit                |
|  | 14234      | LHC1-TRSMK | LHC1 Threaded Rod & Surface Mount Kit |
|  | 14235      | LHC1-WG    | LHC1 Wire Guard                       |

## CONTROLS & SENSORS: FIELD INSTALLED

| ORDER   | ORDER CODE | ITEM #                 | DESCRIPTION  |
|---|------------|------------------------|--|
| <b>STANDALONE CONTROLS</b>  |            |                        |  |
| <b>PIR SENSORS</b>  |            |                        |  |
|   | 800654     | MS2-OPD-3              | Stand-alone PIR Motion Sensor, 120-347V, 1/2" knock-out, On/Off, Ambient Threshold, 40ft, Parameters set by dip switch.  |
|   | 800655     | MS2-DPX-3              | Stand-alone PIR Motion Sensor, 120-347V, 1/2" knock-out, 0-10V, Ambient Threshold, 40ft, Parameters set by dip switch or SEN5A-ACT.  |
|   | 801282     | MSF-DPR-12             | Stand-alone PIR Motion Sensor, 12V, screw-in, 0-10V, Ambient Threshold, 20ft, Parameters set by remote RC02.   |
|   | 10220      | SEN-3B-KO              | Stand-alone PIR Motion Sensor, 120-277V, IP66, 1/2" knock-out, 0-10V, Ambient Threshold, 30ft, Parameters set by SEN-3-RC.   |
|   | 10476      | SEN-3AA-KO             | Stand-alone PIR Motion Sensor, 120-277V, 1/2" knock-out, On/Off, Ambient Threshold, 30ft, Parameters set by dip switch.  |
|   | 13342      | SEN5A-SZPR-WH          | Stand-alone PIR Motion Sensor, 12-24V, Z10, 0-10V, Daylight Harvesting, 40ft, White, Parameters set by SEN5A-ACT<br><b>Note:</b> Screw-in to Z10 adapter required: SENA-APZ-WH.        |
| <b>MICROWAVE SENSORS*</b>   |            |                        |  |
|   | 313895     | MS1-DHR-KO-1           | Stand-alone Microwave Motion Sensor, 120-277V, IP65, 1/2" knock-out, 0-10V, Ambient Threshold, 48ft, Parameters set by RC01.   |
|   | 801281     | MSF-DMR-12             | Stand-alone Microwave Motion Sensor, 12V, screw-in, 0-10V, Ambient Threshold, 49ft, Parameters set by remote RC02.   |
|   | 12150      | SEN/M/S1C/KO           | Stand-alone Microwave Motion Sensor, 120-277V, IP65 1/2" knock-out, 0-10V, Ambient Threshold, Parameters set by SEN-S1-RC3.  |
|   | 13341      | SEN5A-SZMR-WH          | Stand-alone Microwave Motion Sensor, 12-24V, Z10, 0-10V, Daylight Harvesting, 40ft, White, Parameters set by SEN5A-ACT.<br><b>Note:</b> Screw-in to Z10 adapter required: SENA-APZ-WH. |
|   | 11931      | SEN5A/M/Z10            | Stand-alone Microwave Motion Sensor, 12-24V, Z10, 0-10V, Ambient Threshold, 40ft, White, Parameters set by SEN5A-ACT.<br><b>Note:</b> Screw-in to Z10 adaptor required: SENA-APZ-WH.   |
| * Microwave sensors must be installed on stable and immovable fixtures to avoid false activation from swinging. |            |                        |  |
| <b>REMOTES FOR COMMISSIONING STANDALONE CONTROLS</b>  |            |                        |  |
|   | 13344      | SEN5A-ACT              | Commissioning Tool for SEN5A, BAY-E-SEN/PIR, BAY-E-SEN/M, and MS2-DPX-3 (Backward compatible with SEN5A/CT and RC-100)   |
|   | 10226      | SEN-3-RC               | Commissioning Tool for SEN-3B-KO and SEN-3C-KO   |
|   | 313897     | RC01                   | Commissioning Tool for MS1-DHR-SA-4, MS1-DHR-KO-1, MS1-DHR-KO-4  |
|   | 10917      | SEN-S1-RC3             | Compatible with SEN/M/S1C/KO   |
|   | 800891     | RC02                   | Commissioning Tool for MSF-DPR-12, MSF-DMR-12  |
| <b>NETWORKED LIGHTING CONTROLS (NLC)</b>  |            |                        |  |
| <b>SENSOR AND CONTROLLER</b>  |            |                        |  |
|   | 13246      | SENA-WZPA-WH           | BLE PIR Motion sensor, 12-24V, IP65, Z10, 0-10V, Daylight Harvesting, 40ft, Parameters set by Silvoir App.<br><b>Note:</b> Screw-in to Z10 adapter required: SENA-APZ-WH.              |
|   | 12643      | PSC-ZKV-WCM-100-BLE-SR | BLE TruBle wireless fixture Controller, 12-24V, Z10, 0-10V, Parameters set by Silvoir App.<br><b>Note:</b> Screw-in to Z10 adapter required: SENA-APZ-WH.                              |
| <b>WALL OR WIRELESS CONTROLLERS</b>   |            |                        |  |
|   | 12654      | ESRPB-W-EO             | BLE Easyfit by EnOcean wireless self-powered kinetic Single rocker pad, white, wall plate included.  |
|   | 12655      | EDRPB-W-EO             | BLE Easyfit by EnOcean wireless self-powered kinetic Double rocker pad, white, wall plate included.  |
|   | 12635      | PSC-DM-WS-100-BLE-SR   | BLE TruBlu 120-277V, Single Gang Single Button Wall Controller, White, Parameters set by Silvoir App.  |
|   | 12636      | PSC-DM-I-WS-100-BLE-SR | BLE TruBlu PIR Occupancy/ Vacancy Sensor, 120-277V, Single Gang Wall Controller, White, Parameters set by Silvoir App.   |
|   | 12637      | PSC-DM-WS-400-BLE-SR   | BLE TruBlu 4-Button Wall Controller, 120-277V, Single Gang, White, Parameters set by Silvoir App.  |
| <b>ADAPTERS &amp; ACCESSORIES</b>   |            |                        |  |
|   | 13467      | SENA-APZ-WH            | Z10 adaptor 1/2" Screw-in spring load pins to Z10 Receptacle IP65 White.   |
|   | 12994      | PSC-RET-100-BLE-SR     | BLE TruBlu Range Extender, 120-277V, 800ft, Nema 4X Outdoor Enclosure  |
|   | 12993      | PSC-TKP-200-BLE-SR     | BLE TruBlu Battery Backup Timekeeper and Range Extender, 120V, 800ft, Nema 4X Outdoor Enclosure  |

## BATTERY BACKUPS

| ORDER | ORDER CODE | ITEM #         | DESCRIPTION  |
|-------|------------|----------------|--|
|       | 13574      | EEBE40WHA170S* | EiKO Emergency Battery External 40W 100-347VAC 170VDC Linear Single Flex-Conduit CEC Compliant. See spec sheet for full details. Order separately. Field Install Only. |

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

# PRODUCT DIMENSIONS

