



# LH1 Linear High Bay

## HIGHLIGHTS

- Diecast aluminum style with molded heatsink fins for enhanced performance
- Controls Ready makes adding controls quick and easy. Includes screw-in receptacle for Standalone sensors or Networked Lighting Controls
- Field and factory install backup battery options
- Frosted polycarbonate lens eliminates glare
- Suggested mounting heights are up to 35'
- 120-347V Comes with External 10' cord (no plug)
- Ships with V-hook and aircraft cables
- PowerSet feature allows for multiple lumen stops out of the box
- FieldCCeT features provides multiple color temperature settings in one fixture

## CERTIFICATIONS

- UL listed 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 150 lm/W
- Available in fixed wattage models: 90W, 130W, 160W, 200W or 240W and PowerSet models: power-selectable 160/130/110/90W, 240/220/200/180W, 320/300/280/260W or 440/400/380/360W
- Available in single CCT models: 4000K or 5000K CCT or FieldCCeT models: field-selectable CCT 40/5000K
- CRI: >80
- Beam Angle: 90°
- Estimated L70: 100,000 Hours

## ELECTRICAL

- Input voltage: 120-277V, 120-347V & 277-480V
- 0-10 V dimming, dim-to-off
- 12VDC Aux, 200mA max
- Surge protection: up to 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)
- 32°F to 122°F (0°C to 50°C) ambient operating temperature with battery

## CONSTRUCTION

- White powder coated die-cast aluminum housing
- Impact-resistant polycarbonate lens

## WARRANTY

- 5 Year limited warranty available [online](#). Contact your EiKO sales rep for additional details.

## KEY FEATURES

### CONTROLS READY

Easily add controls anytime without the need for additional wiring by using the screw-in receptacle.

### COMPATIBLE WITH EXTERNAL BATTERY BACKUPS

When there is an interruption in electricity, a battery backup provides light for safety and security.

### MULTIPLE MOUNTING OPTIONS

Multiple ways to mount: V-hook & Aircraft cable (6.5') included; other mounting accessories include V-hook & Chain, Pendant Mount, Threaded Rod & Surface Mount. 120-347V Model comes with 10' cord.

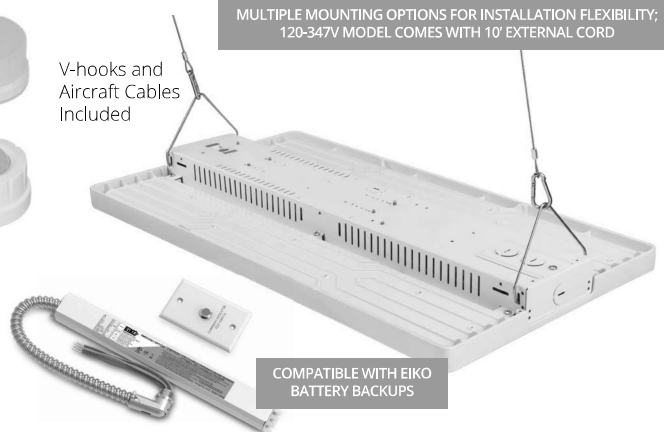
EASY AND QUICK SENSOR INSTALLATION IN THE FIELD. (SENSORS SOLD SEPARATELY)



EASILY ADD CONTROLS VIA SCREW-IN RECEPTACLE



V-hooks and Aircraft Cables Included



MULTIPLE MOUNTING OPTIONS FOR INSTALLATION FLEXIBILITY; 120-347V MODEL COMES WITH 10' EXTERNAL CORD

COMPATIBLE WITH EIKO BATTERY BACKUPS

project name	type
catalog number	voltage
approved by	date



## APPLICATIONS

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

## AVAILABLE MODELS

ORDER	ORDER CODE	ITEM #	WATTS*	CCT**	LUMENS	EFFICACY (lm/W)	VOLTAGE	TRADITIONAL WATTAGE EQUIVALENT	DLC ID #
									PREMIUM
	13399	LH1-090-40-U	90W	4000K	13,500 lm	150 lm/W	120-277V	4-Lamp 4 Foot T8/T12, up to 250W HID	S-36ZH75
	13402	LH1-090-50-U	90W	5000K	13,500 lm	150 lm/W	120-277V	4-Lamp 4 Foot T8/T12, up to 250W HID	S-CVWP6M
	13404	LH1-090-50-V	90W	5000K	13,500 lm	150 lm/W	277-480V	4-Lamp 4 Foot T8/T12, up to 250W HID	S-U0LX4E
	13400	LH1-090-40-H	90W	4000K	13,500 lm	150 lm/W	120-347V	4-Lamp 4 Foot T8/T12, up to 250W HID	S-2I4GTL
	13403	LH1-090-50-H	90W	5000K	13,500 lm	150 lm/W	120-347V	4-Lamp 4 Foot T8/T12, up to 250W HID	S-CQ4P9G
	13405	LH1-130-40-U	130W	4000K	19,500 lm	150 lm/W	120-277V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-HV60R4
	13408	LH1-130-50-U	130W	5000K	19,500 lm	150 lm/W	120-277V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-JKLP3W
	13406	LH1-130-40-H	130W	4000K	19,500 lm	150 lm/W	120-347V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-T4P75J
	13409	LH1-130-50-H	130W	5000K	19,500 lm	150 lm/W	120-347V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-GJW15T
	13419	LH1-160-40-U	160W	4000K	24,000 lm	150 lm/W	120-277V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-OLAYX1
	13422	LH1-160-50-U	160W	5000K	24,000 lm	150 lm/W	120-277V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-D7N8KC
	13421	LH1-160-40-V	160W	4000K	24,000 lm	150 lm/W	277-480V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-VJ9M3X
	13424	LH1-160-50-V	160W	5000K	24,000 lm	150 lm/W	277-480V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-8RVEPX
	13420	LH1-160-40-H	160W	4000K	24,000 lm	150 lm/W	120-347V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-6V4N5G
	13423	LH1-160-50-H	160W	5000K	24,000 lm	150 lm/W	120-347V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-A90X8I
	13431	LH1-PS160-FCCT-U	160/130/ 110/90W	4000/ 5000K	24,000/19,500/ 16,500/13,500 lm	150 lm/W	120-277V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-EPIDNC
	14980	LH1-PS160-FCCT-H	160/130/ 110/90W	4000/ 5000K	24,000/19,500/ 16,500/13,500 lm	150 lm/W	120-347V	6 lamp 32W T8 or 4 lamp T5 HO or up to 400W HID	S-AWCZVT
	13425	LH1-200-40-U	200W	4000K	30,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 600W HID	S-UJ7KRZ
	13428	LH1-200-50-U	200W	5000K	30,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 600W HID	S-AXHMF3
	13427	LH1-200-40-V	200W	4000K	30,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 600W HID	S-VLH6GJ
	13430	LH1-200-50-V	200W	5000K	30,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 600W HID	S-4KQ67B
	13426	LH1-200-40-H	200W	4000K	30,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 600W HID	S-Y6L9RE
	13429	LH1-200-50-H	200W	5000K	30,000 lm	150 lm/W	120-347V	6 lamp T5 HO or up to 600W HID	S-SO1W4J
	13507	LH1-240-40-U	240W	4000K	36,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 750W HID	S-PCOR9F
	13510	LH1-240-50-U	240W	5000K	36,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 750W HID	S-06XSM8
	13509	LH1-240-40-V	240W	4000K	36,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 600W HID	S-RLK345
	13512	LH1-240-50-V	240W	5000K	36,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 600W HID	S-KMSV5G
	13511	LH1-240-50-H	240W	5000K	36,000 lm	150 lm/W	120-347V	6 lamp T5 HO or up to 750W HID	S-KI5QO1
	13432	LH1-PS240-FCCT-U	240/220/ 200/180W	4000/ 5000K	36,000/33,000/ 30,000/27,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 750W HID	S-L32F5S
	14981	LH1-PS240-FCCT-H	240/220/ 200/180W	4000/ 5000K	36,000/33,000/ 30,000/27,000 lm	150 lm/W	120-347V	6 lamp T5 HO or up to 750W HID	S-6CGSFV
	13433	LH1-PS320-40-U	320/300/ 280/260W	4000K	48,000/45,000/ 42,000/39,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 1000W HID	S-3B1HD7
	13435	LH1-PS320-50-U	320/300/ 280/260W	5000K	48,000/45,000/ 42,000/39,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 1000W HID	S-528GIL
	13434	LH1-PS320-40-V	320/300/ 280/260W	4000K	48,000/45,000/ 42,000/39,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 1000W HID	S-6LMAYV
	13436	LH1-PS320-50-V	320/300/ 280/260W	5000K	48,000/45,000/ 42,000/39,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 1000W HID	S-NQ04WI
	13437	LH1-PS440-40-U	440/400/ 380/360W	4000K	66,000/60,000/ 57,000/54,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 1000W HID	S-P4HEG6
	13439	LH1-PS440-50-U	440/400/ 380/360W	5000K	66,000/60,000/ 57,000/54,000 lm	150 lm/W	120-277V	6 lamp T5 HO or up to 1000W HID	S-Y5QXO9
	13440	LH1-PS440-50-V	440/400/ 380/360W	5000K	66,000/60,000/ 57,000/54,000 lm	150 lm/W	277-480V	6 lamp T5 HO or up to 1000W HID	S-A3PJLR

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

\*\* All CCT-selectable fixtures ship at 5000K

## FACTORY INSTALLED OPTIONS

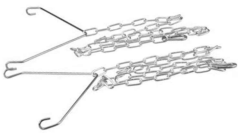


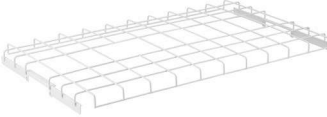
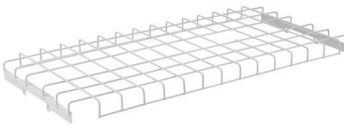
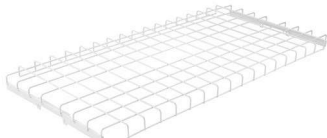
LENS	CUSTOM CORD LENGTH	CORD END	ADDITIONAL SURGE PROTECTION	BATTERY BACKUP
<p><b>[Blank]</b> : Default, 90 degree lens</p> <p><b>65L</b> : 65 degree aisle lens (Not DLC Listed)</p>	<p><b>[Blank]</b> : Default, no length*</p> <p><b>W1xx</b>: 300V 18/3 white cord</p> <p><b>W2xx</b>: 600V 18/3 white cord</p> <p><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)</p> <p style="text-align: center;">Custom length required (in feet)</p> <p><b>*all 120-347V Models come with 10' External Cord</b></p>	<p><b>[Blank]</b> : Default, no cord end</p> <p><b>N01</b> : 125V 15A straight plug</p> <p><b>N02</b> : 250V 15A straight plug</p> <p><b>N04</b> : 125V 15A locking plug</p> <p><b>N05</b> : 250V 15A locking plug</p> <p><b>N06</b> : 277V 15A locking plug</p> <p><b>N07</b> : 125V 20A straight plug</p> <p><b>N08</b> : 250V 20A straight plug</p> <p><b>N09</b> : 250V 20A locking plug</p> <p><b>N10</b> : 277V 20A locking plug</p> <p><b>N11</b> : 347V 20A locking plug</p> <p><b>N12</b> : 480V 20A locking plug</p>	<p><b>[Blank]</b> : Default, no additional protection</p> <p><b>SP1</b> : 10kV surge protection</p> <p><b>SP2</b> : 20kV surge protection</p>	<p><b>[Blank]</b> : Default, no additional protection</p> <p><b>EB18*</b> : 18W External Backup battery, 100-347V</p> <p><b>EB40*</b> : 40W External Backup battery, 100-347V</p> <p><b>EB40*</b> : 40W External Backup battery, 277-480V</p> <p><b>*backup battery voltage will match fixture voltage</b></p>

MODEL CONFIGURATOR						FACTORY INSTALLED OPTIONS										
MODEL	-	WATTS	-	CCT	-	VOLTAGE	-	LENS	-	CORD LENGTH	-	CORD END	-	SURGE PROTECTION	-	BATTERY BACKUP
<b>LH1</b>	-		-		-		-		-		-		-		-	

EXAMPLE PART NUMBER: LH1-PS090-40-U-65L-W130-N01-SP2-EB18

REFER TO FOLLOWING SECTIONS FOR DETAILS ON FACTORY INSTALLED OPTIONS & AVAILABLE FIELD INSTALLED OPTIONS

## ACCESSORIES

ORDER	ORDER CODE	ITEM #	DESCRIPTION	
	13815	LH1-VCK	LH1 V-Hook & Chain Kit.	
	13816	LH1-PMK*	LH1 Pendant Mount Kit.	
	13817	LH1-TRSMK	LH1 Threaded Rod & Surface Mount Kit.	
	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.	

## ACCESSORIES CONT'D

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

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

## BATTERY BACKUPS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	FACTORY INSTALLED CODE
	11675	EEBE18WHA1705*	EiKO Emergency Battery External 18W 100-347V 170VDC Single Flex-Conduit CEC Compliant. Factory or field install. See spec sheet for full details. <b>Note:</b> Suitable ONLY for 100-347V 90W & 130W fixtures. Optional bracket to mount directly to LH1: LH1-ZBRK	EB18
	13574	EEBE40WHA1705*	EiKO Emergency Battery External 40W 100-347VAC 170VDC Linear Single Flex-Conduit CEC Compliant. Factory or field install. See spec sheet for full details. <b>Note:</b> In EM mode, only half of the 440W fixture will power up. Optional bracket to mount directly to LH1: LH1-ZBRK	EB40
	13571	EEBE40WVA500*	EiKO Emergency Battery External 40W 277-480VAC 310-500VDC Linear Single Flex-Conduit CEC Compliant. Factory or field install. See spec sheet for full details. <b>Note: Not compatible with 320W fixtures.</b> In EM mode, only half of the 440W fixture will power up. Optional bracket to mount directly to LH1: LH1-ZBRK	EB40
	14383	LH1-ZBRK	LH1 Z Bracket for Battery Backup Mounting (optional for mounting battery backup to fixture)	---

\* **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.

## 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 SENA-ACT.
	801053	HBX2-MSP	Stand-alone PIR Motion Sensor, 12V, Screw-in, Dust Gasket, 0-10V, Ambient Threshold, 20ft, Parameters set by 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.
	13861	SENA5A-SPPR-WH	Stand-alone PIR Motion Sensor, 12-24V, Screw-in, 0-10V, Daylight Harvesting, 8-40ft, White, IP65, Parameters set by SENA-ACT.
<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.
	800827	HBX2-MS	Stand-alone Microwave Motion Sensor, 12V, Screw-in, Dust Gasket, 0-10V, Ambient Threshold, 40ft, Parameters set by 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	SENA5A-SZMR-WH	Stand-alone Microwave Motion Sensor, 12-24V, Z10, 0-10V, Daylight Harvesting, 40ft, White, Parameters set by SENA-ACT. <b>Note:</b> Screw-in to Z10 adapter required: SENA-APZ-WH.
	13859	SENA5A-SPMR-WH	Stand-alone Microwave Motion Sensor, 12-24V, Screw-in, 0-10V, Daylight Harvesting, 8-40ft, White, IP65, Parameters set by SENA-ACT.

\* Microwave sensors must be installed on stable and immovable fixtures to avoid false activation from swinging.

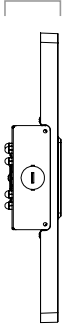
<b>REMOTES FOR COMMISSIONING STANDALONE CONTROLS</b>			
	13344	SENA5A-ACT	Commissioning Tool for SENA5A, BAY-E-SEN/PIR, BAY-E-SEN/M, and MS2-DPX-3. (Backward compatible with SENA5A/CT and RC-100)
	10226	SEN-3-RC	Commissioning Tool for SEN-3B-KO and SEN-3C-KO.
	313897	RC01	Commissioning Tool for MS1-DHR-SA-4, 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.

## CONTROLS & SENSORS: FIELD INSTALLED CONT'D

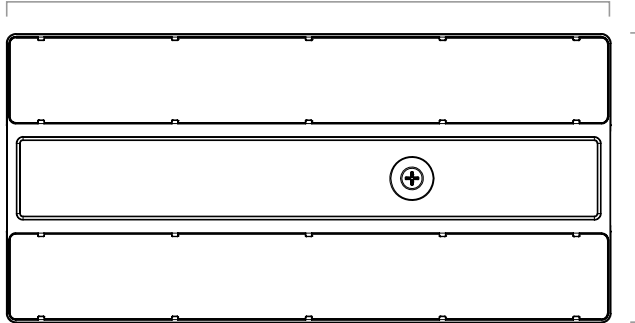
ORDER	ORDER CODE	ITEM #	DESCRIPTION
<b>NETWORKED LIGHTING CONTROLS (NLC)</b>			
<b>SENSOR AND CONTROLLER</b>			
	13865	SENA-WPPA-WH	BLE PIR Motion sensor, 12-24V, Screw-in, 0-10V, Daylight Harvesting, 8-40ft, White, IP65, Parameters set by Silvair App
	13246	SENA-WZPA-WH	BLE PIR Motion sensor, 12-24V, IP65, Z10, 0-10V, Daylight Harvesting, 40ft, Parameters set by Silvair App. <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 Silvair App. <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 Silvair 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 Silvair App.
	12637	PSC-DM-WS-400-BLE-SR	BLE TruBlu 4-Button Wall Controller, 120-277V, Single Gang, White, Parameters set by Silvair 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
	13234	SGW-101	BLE Silvair Gateway SGW-101 Manufactured by Rigado (model: Cascade-500). 5-year from Silvair warranty and tech support.

# PRODUCT DIMENSIONS

2-3/16" / 55mm



23"/585mm

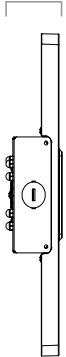


1-1" / 280 mm

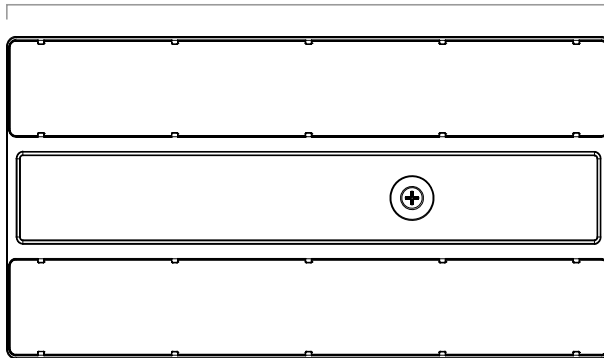
## 90W - 240W MODELS

Weight: 6.6 lbs / 3.0 kg

2-3/16" / 55mm



23"/585mm

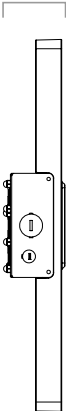


1-2-5/8" / 320 mm

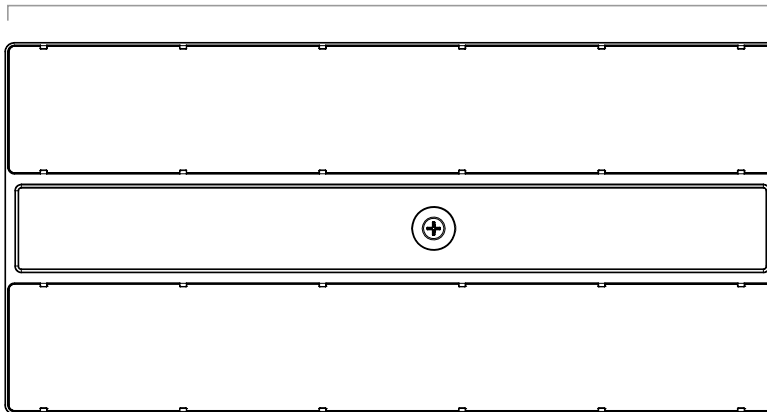
## 320W MODELS

Weight: 8.2 lbs / 3.7 kg

2-3/8" / 60mm



29-1/2"/750mm



1-4-3/16" / 360 mm

## 440W MODELS

Weight: 13.0 lbs / 5.9 kg