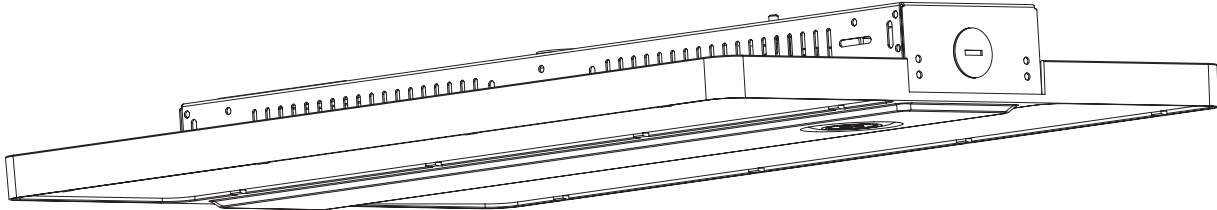


## INSTALLATION INSTRUCTIONS

### ACE LED HIGH BAY (AH1)



**READ CAREFULLY BEFORE INSTALLING THE FIXTURE.  
PLEASE KEEP THIS MANUAL FOR FUTURE USE.**

Fixtures must be installed and wired in accordance with the National Electrical Code (NEC) and all applicable local codes by a person familiar with the construction and operation of the product and hazards involved.

Proper grounding is required for safety.

Check that voltage is compatible with fixture driver, use approved connectors for all electrical connections.

Be cautious of any sharp edges. Wear proper PPE (personal protected equipment) while handling.

Fixture not suitable for use in wet locations, corrosive environments, and with thermal insulation.



#### **WARNING**

**Risk of Fire or Electric Shock**

Risk of fire or electric shock. Make sure power is off at the circuit breaker before installing or maintaining the product.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

Installation guide requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Never perform maintenance or cleaning while fixture is energized. Disconnect power and allow fixture to cool off before maintaining.



#### **MAINTENANCE CAUTION**

Review the diagrams before beginning and make sure the fixture is grounded properly.

For lighting controls, use driver wiring diagram.

Maintenance must be done by qualified electricians.

Use a clean, dry cloth to clean the fixture.

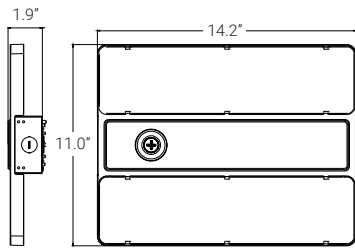
**For any questions regarding wiring, installation, or use of this fixture, please call 559-485-6010 or email [techsupport@linmoreled.com](mailto:techsupport@linmoreled.com)**

# TECHNICAL SPECS

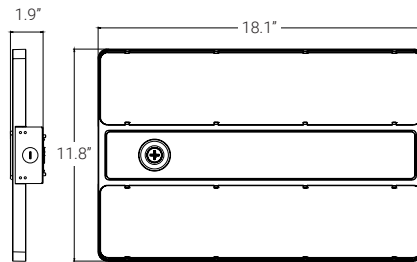
Part No.	Size	Watts	CCT	CRI	Input Voltage	PF	Dimmable	Warranty
AH10S-A2-12K-SM-xx-80-FR-yy-CRM-10CW-S-10V	SM	85	xx=50 5000K  xx=40 4000K  xx=35 3500K	≥80	yy=LV 120-277VAC  yy=HV 277-480VAC	≥0.9	0-10V	5 Years
AH10S-A2-15K-SM-xx-80-FR-yy-CRM-10CW-S-10V	SM	110						
AH10S-A2-18K-SM-xx-80-FR-yy-CRM-10CW-S-10V	SM	130						
AH10S-A2-24K-MD-xx-80-FR-yy-CRM-10CW-S-10V	MD	165						
AH10S-A2-30K-MD-xx-80-FR-yy-CRM-10CWS-10V	MD	220						
AH10S-A2-36-LG-xx-80-FR-yy-CRM-10CW-S-10V	LG	240						
AH10S-A2-40K-LG-xx-80-FR-yy-CRM-10CW-S-10V	LG	295						
AH10S-A2-48K-LG-xx-80-FR-yy-CRM-10CW-S-10V	LG	320						
AH10S-A2-71K-XL-xx-80-FR-yy-CRM-10CW-S-10V	XL	500						

## Dimensions

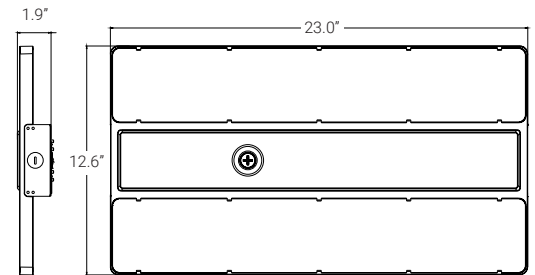
**SM**



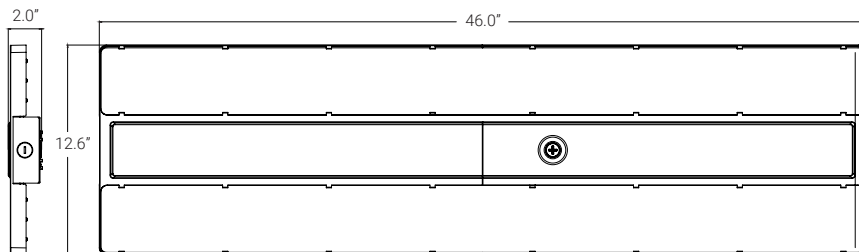
**MD**



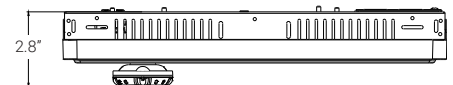
**LG**



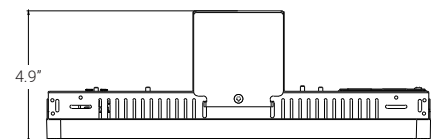
**XL**



**With PIR Sensor**



**With Pendant Mount Bracket**



Size	Length (in)	Width (in)	Height (in)	Weight (lb)
SM	14.2	11.0	1.9	~4
MD	18.1	11.8	1.9	~6
LG	23.0	12.6	1.9	~8
XL	46.0	12.6	2.0	~16

Dimension tolerances: ± 0.1". Mounting hardware and sensors add height to the fixture, see drawings. Weights are approximate and vary by model, if weight is a concern, please contact factory.

# WIRING

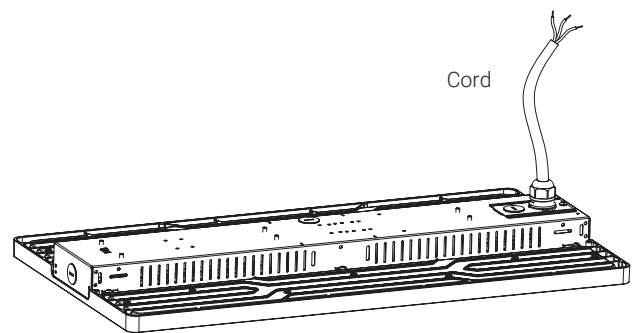
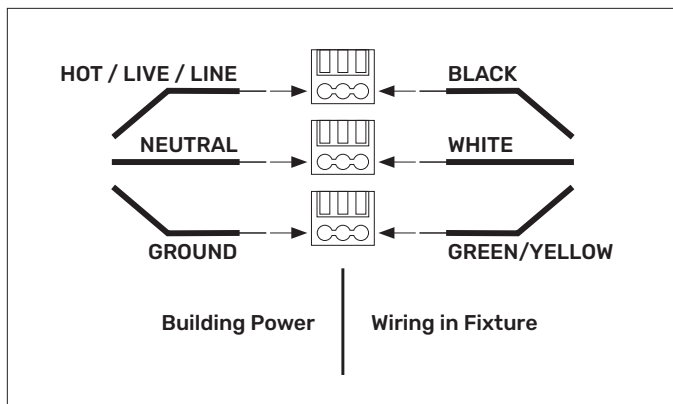
## Cautions

- Fixtures must be wired in accordance with the National Electrical Code (NEC) and all applicable local codes.
- Make sure power is off at the circuit breaker before installation or maintenance.
- Proper grounding is required to ensure safety.

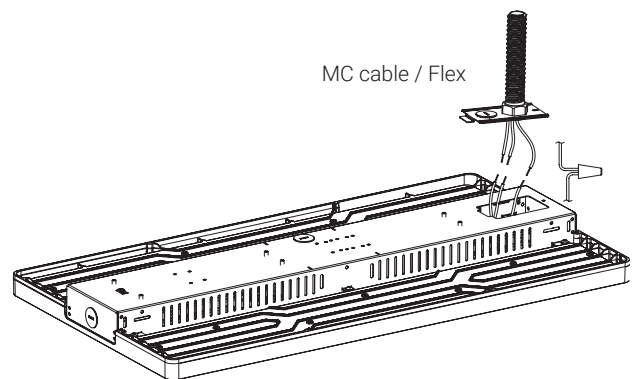
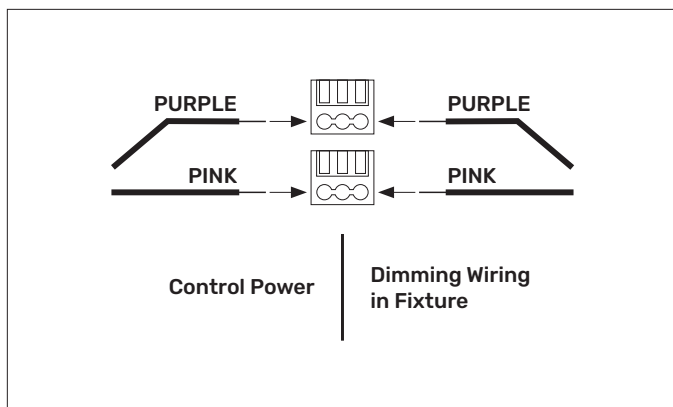
## Notes

- Must use appropriate strain relief in accordance with local code when connecting power cord to junction box.

### NORMAL POWER WIRING



### DIMMING WIRING



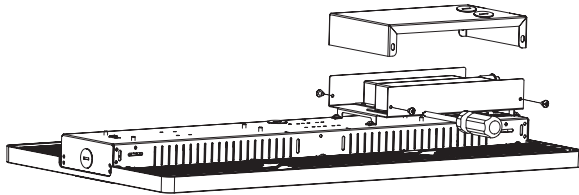
The fixture can not be connected to an additional dimming device when equipped with a PIR occupancy sensor.

# WIRING

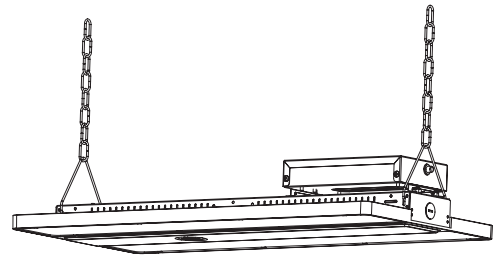
## LOW VOLTAGE Emergency Battery Backup Installation

When sold as an accessory in a separate box

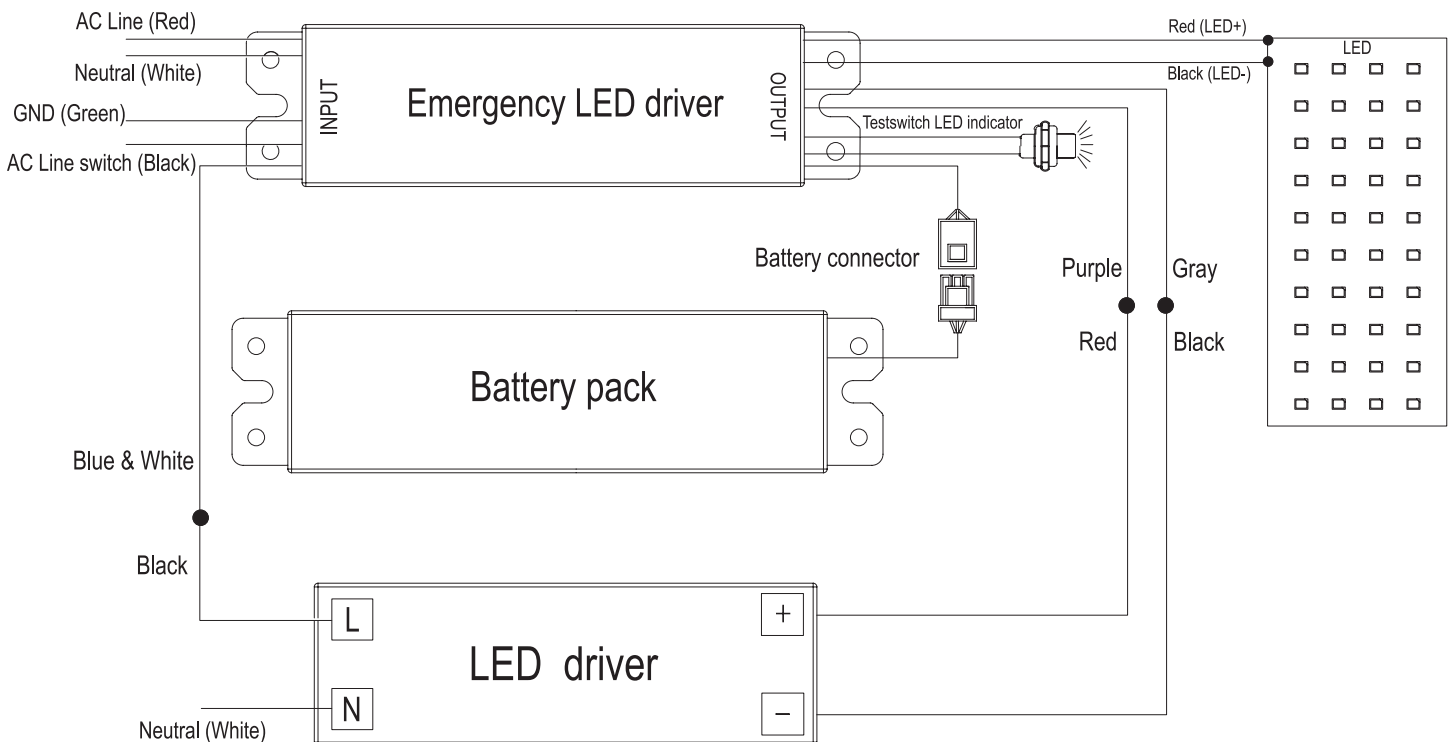
1. Remove fixture junction box cover.
2. Attach Emergency Battery Backup to the fixture using supplied screws.
3. Remove Emergency Battery Backup cover with screwdriver.



4. Connect line voltage and battery backup as per wiring diagram.
5. Reattach cover.



## Wiring Diagram

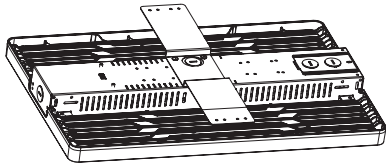


# WIRING

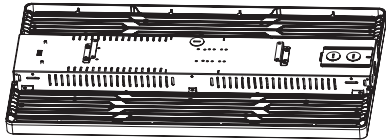
## HIGH VOLTAGE Emergency Battery Backup Installation

When sold as an accessory in a separate box

1. Assemble the corresponding bracket onto the back of the fixture.

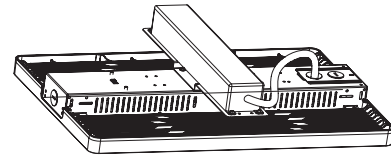


Bracket for SM and MD fixtures

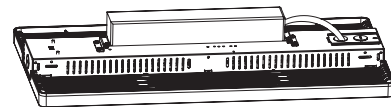


Bracket for LG fixtures

2. Assemble the emergency power supply to the bracket, and then connect according to the wiring diagram.

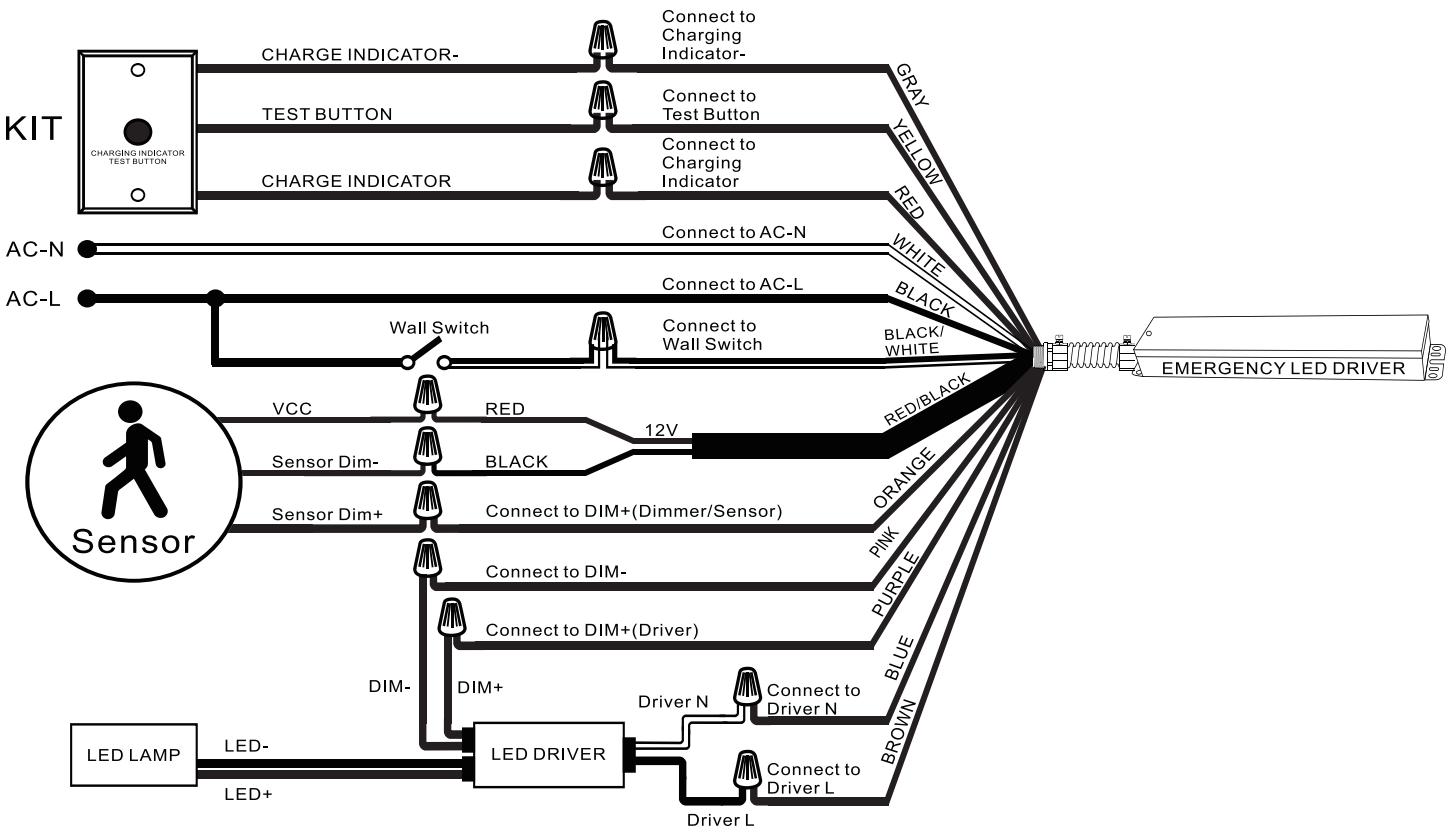


Installation for SM and MD fixtures



Installation for LG fixtures

## Wiring Diagram



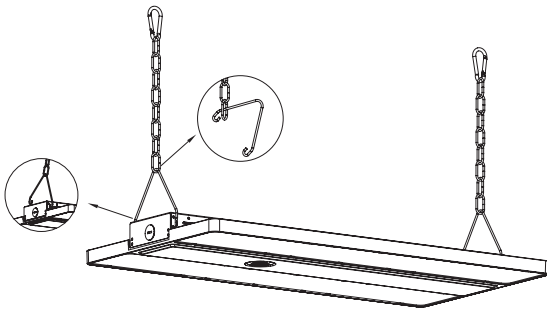
# INSTALLATION GUIDE

## Suspension Mounting

1. Securely fasten the chain or cable to the ceiling / building infrastructure.
2. Securely fasten the chain or cable to the provided V-clips.

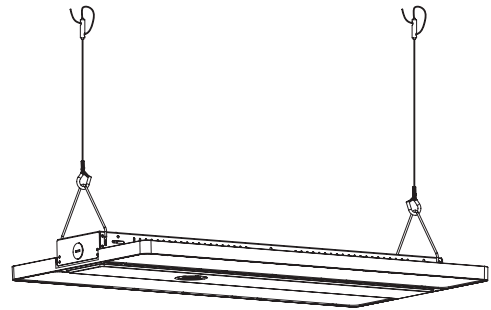
### Chain

Included in the fixture (standard).



### Cable

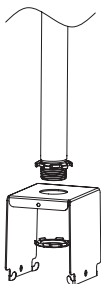
Sold separately as an accessory (CABLEKIT2P).



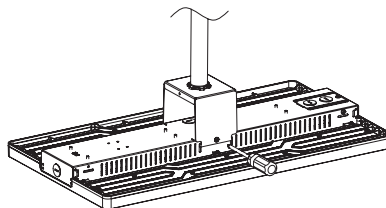
## Pendant Mounting (Stem 3/4" Conduit Installation)

Requires bracket sold separately as an accessory (AH1-STEM).

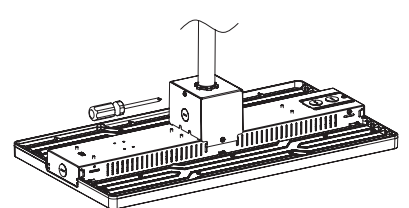
1. Mount bracket to 3/4" existing conduit.



2. Attach fixture to the bracket.
3. Connect the wires.



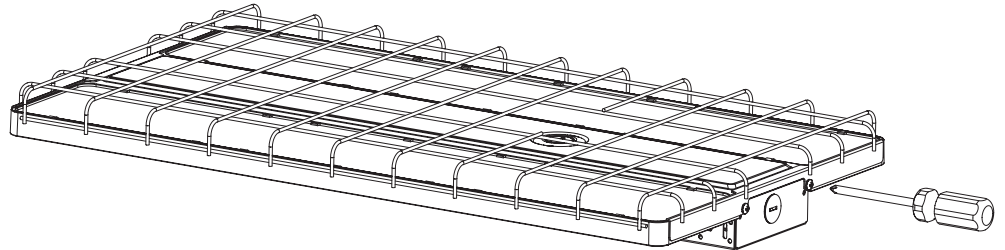
4. Lock side brackets with screwdriver.



# ACCESSORY INSTALLATION

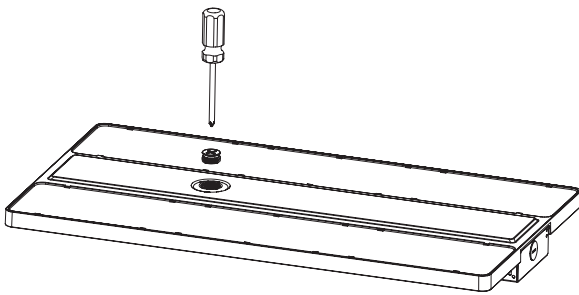
## Wire Guard

Install the wire guard on the fixture and secure it with screws.

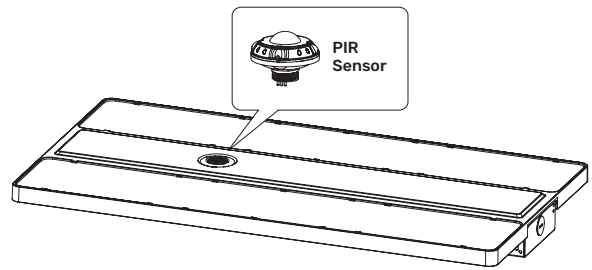


## PIR Occupancy Sensor

1. Use a screwdriver to remove the 1/2" plug from the sensor.

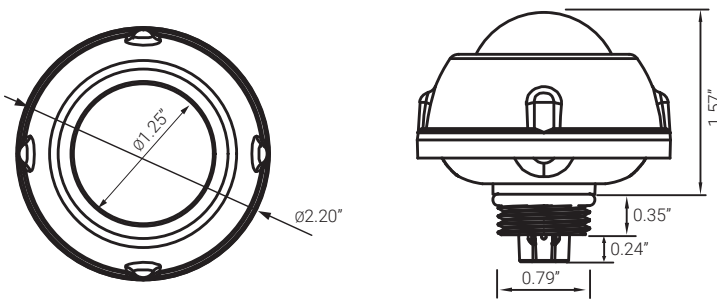


2. Rotate sensor clockwise into socket and ensure contact is made. Do not over tighten. Set programming using remote control.



The fixture can not be connected to an additional dimming device when equipped with a PIR occupancy sensor.

## Dimensions

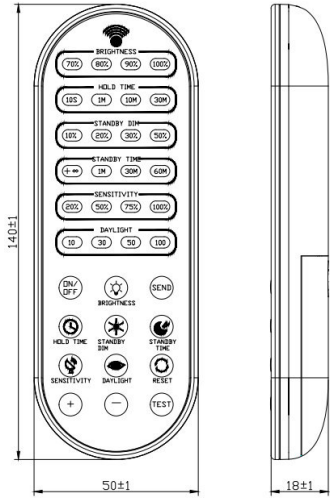


### Default Sensor Settings

Default Brightness	100%
Hold Time	10 min
Stand-by Dimming Level	20%
Stand-by Time (to OFF)	30 min

# ACCESSORY CONFIGURATION

## Infrared Remote Programmer



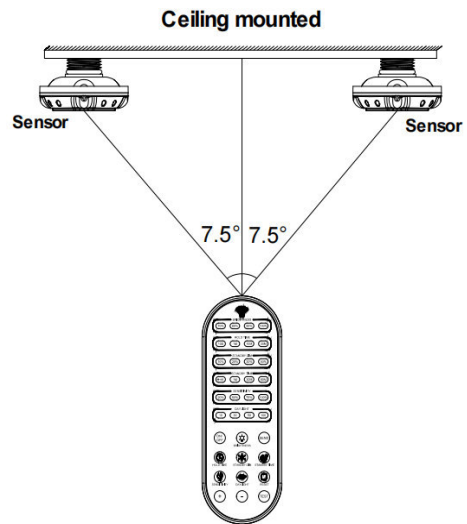
The infrared remote programmer is a handheld tool for remote configuration of the PIR occupancy sensor. This device can display current sensor settings, program new settings and store profiles.

Power Supply	2xAAA 1.5V. Alkaline recommended.
Upload Range	Up to 50 ft (15m). 15° beam angle.
Operating Temperature	0 - 50 °C (32 - 122 °F).
Dimensions	L: 5.5', W: 1.97', D: 0.71'
Warranty	100,000 key presses

### NOTES

- Because the beam angle of the infrared remote programmer is fixed at 15°, if the distance between remote and sensor is too close, the remote may program two sensors at the same time.
- When the installation height changes, the remote to sensor distance should be adjusted appropriately to avoid adjacent sensors being programmed by the remote at the same time. See the table below for recommended distances.

Mounting Height	Remote to Sensor Distance
50ft ~15m	13.1ft ~ 4m
40ft ~12m	10.5ft ~ 3.2m
30ft ~ 9m	7.9ft ~ 2.4m
20ft ~ 6m	5.25ft ~ 1.6m
10ft ~ 3m	2.6ft ~ 0.8m



### CAUTION

1. Remove the batteries from compartment if the remote will not be used in 30 days.
2. When programming, aim the remote to the sensor from the recommended distance and make sure there are no objects in between as IR cannot pass through walls or opaque materials.



# ACCESSORY CONFIGURATION



## DISPLAY AREA

Shows current settings with blue indicator lights.

### Brightness

70/80/90/100%

### Standby Dim

10/20/30/50%

### Sensitivity

20/50/75/100%

### Hold Time

10s/1min/10min/30min

### Standby Time (to OFF)

+∞/1min/30min/60min

### Daylight

10/30/50/100lx

## BUTTON SETTING AREA

When the display area is not lit, press any button to show current settings in the remote, press again the same button to cycle through all available options.



**ON/OFF:** To turn remote on, press and hold the ON/OFF button until the brightness indicator illuminates. Press again once to turn fixture on, press again to turn off.



**BRIGHTNESS:** Press to adjust the dimming level of the fixture, 70/80/90/100%.



**SEND:** Press **SEND after making each setting adjustment** to save the new settings on the sensor. Aim the remote to the fixture while pressing SEND for the sensor to receive the signal. The fixture will flash to confirm settings has been saved.



**HOLD TIME:** Press to adjust the hold time, 10s/1min/10min/30min.



**STANDBY DIM:** Press to adjust standby dimming level 10/20/30/50%.



**STANDBY TIME (TO OFF):** Press to adjust the standby time before fixture turns off, +∞/1min/30min/60min. Note: +∞ means unlimited stand-by time, and the light control mode is set to daylight priority mode, otherwise it is set to daylight threshold mode.



**SENSITIVITY:** Press to adjust sensitivity 20/50/75/100%.



**DAYLIGHT:** Press and hold the daylight button until one of the daylight indicators in the display area illuminates. Press the button again to cycle through the lux levels.



**RESET:** Press to return all settings to default: Brightness 70% / Hold Time 10s / Stand-by Dim 10% / Stand-by Time +∞ / Sensitivity 20% / Daylight Threshold Disabled.



Press to increase brightness (0-100%).



Press to decrease brightness (100-0%).



**TEST:** For testing purposes after debugging, hold time is only 3s.

**Daylight Priority Mode:** Illumination values are 10/50lx, 30/100lx, 50/150lx and 100/200lx. Fixture never turns OFF.

**Daylight Threshold Mode:** The illuminance value that turns on the fixture when motion is detected by the sensor can be set as: 10/30/50/100lx.

## ATTENTION

- To turn remote on, press and hold the ON/OFF button until the indicator lights illuminate blue. Remote enters sleep mode after 10 seconds of inactivity.
- When using the ON/OFF button, all buttons except ON/OFF, BRIGHTNESS and SEND, are disabled.
- When using the TEST button, all buttons except TEST, SENSITIVITY and SEND, are disabled.