

IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations, if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

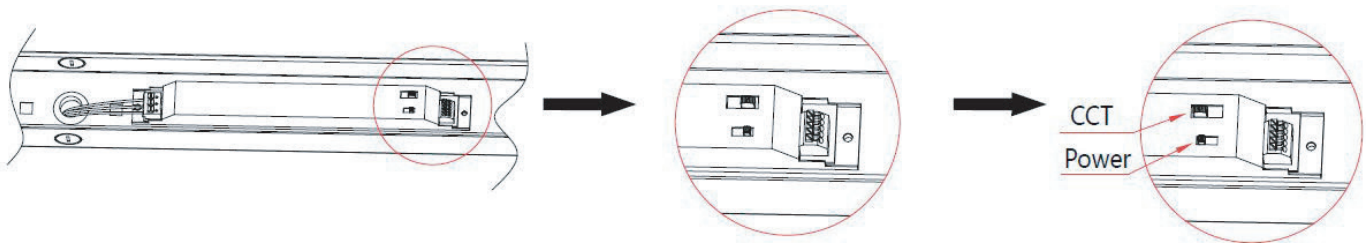
SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

Important Notes

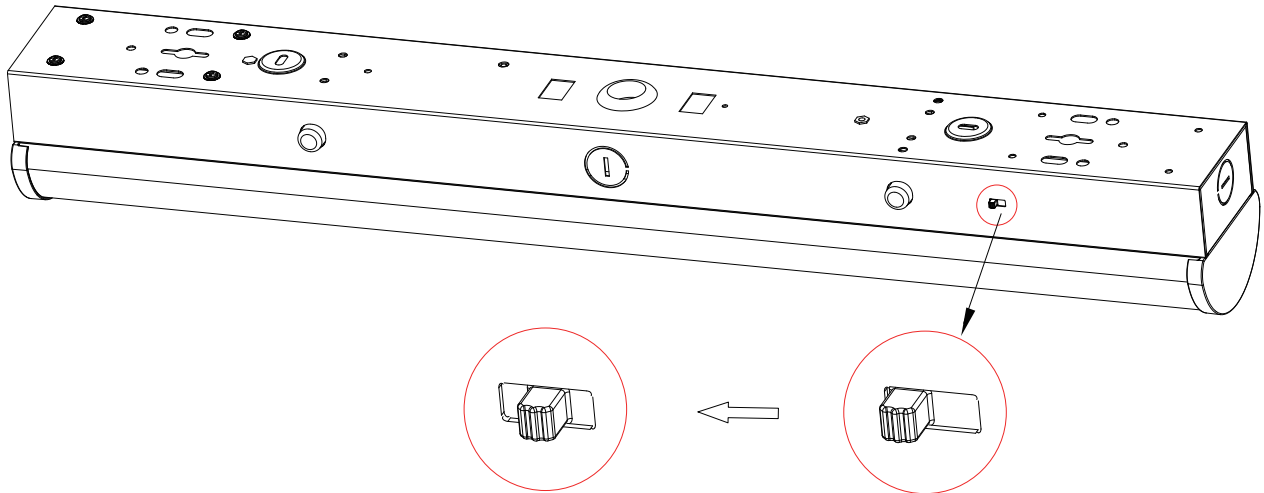
1. Battery Backup equipped fixtures cannot be electrically linked to other fixtures using the linkable accessory wiring harness.
2. Motion control switch and linkable accessory wiring harness have load limitations. Make sure the installed fixtures do not exceed electrical limits.
3. Linkable accessory is designed for specific fixture lengths. Please use 2' and 4' linkable accessories to link 2' and 4' units only. Use 8' linkable accessory to link 8' units only, no other uses are recommended.
4. Do not electrically double feed linked units. Only one power connection per run.

Fig. 1



CCT SWITCHABLE: 3500K/4000K/5000K
POWER SELECTABLE: 30W/40W/50W
(SLS-4-50-CP MODEL ONLY)

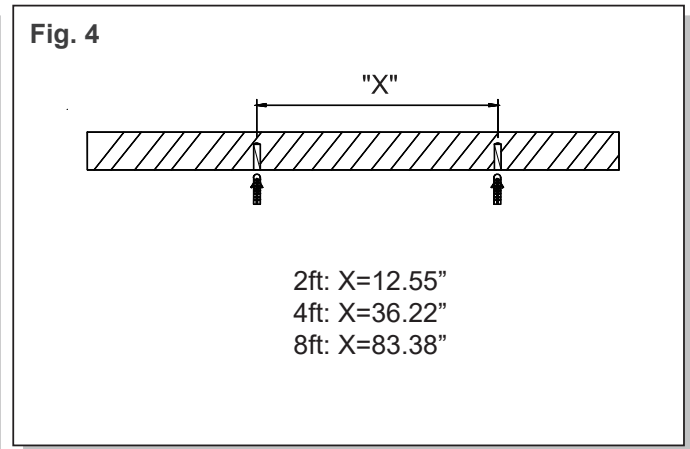
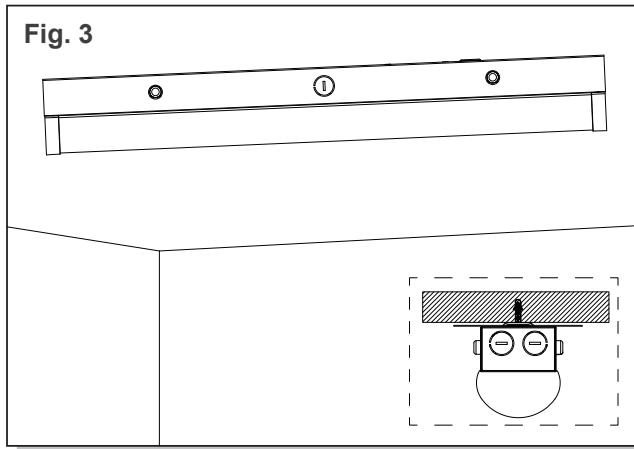
Fig. 2



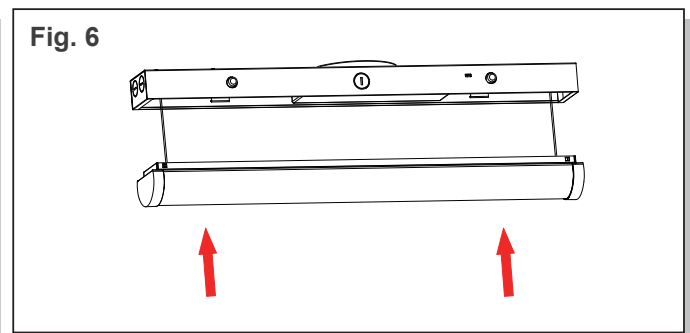
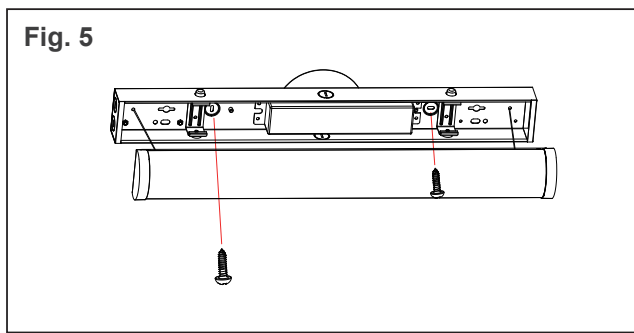
CCT SWITCHABLE: 3500K/4000K/5000K
(MODELS CCT SWITCH ONLY - SWITCH
LOCATED OUTSIDE ENCLOSURE)

Installation Surface Mount

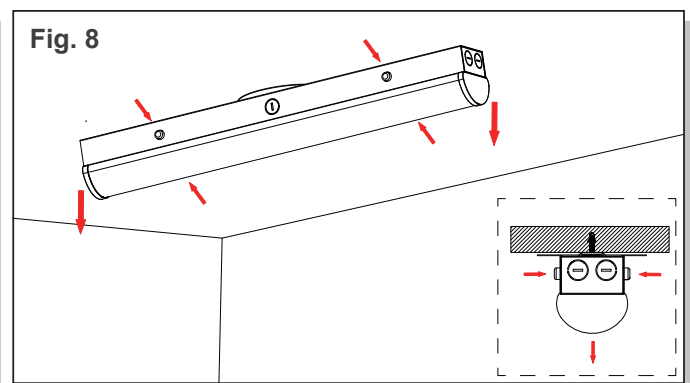
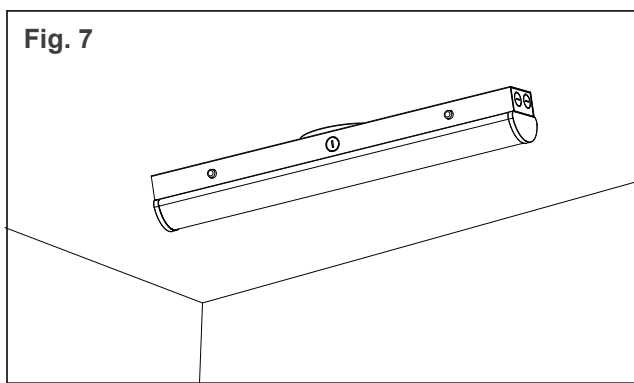
1. Attach the mounting hardware to the ceiling per the chart shown. (Fig. 4)



2. Make electrical connections; see **Electrical Connections** section.
3. Secure the fixture to the ceiling with the proper hardware. (Fig. 5)
4. Press the fixture cover into the base, locking it into place. (Fig. 6)



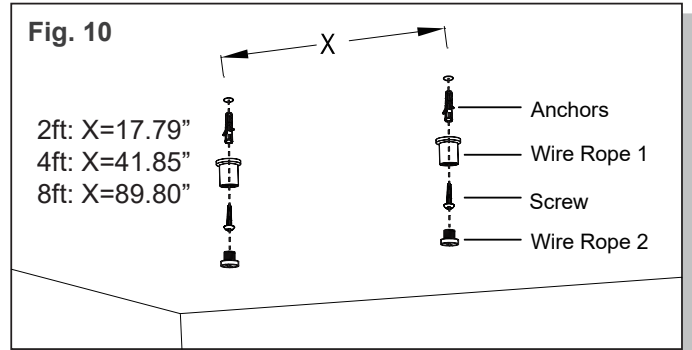
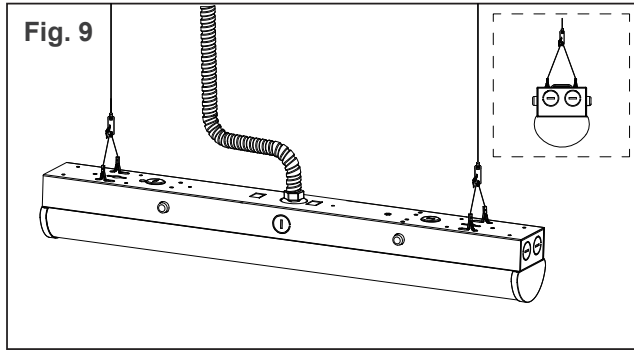
5. The installation is complete. (Fig. 7)
6. To remove the cover, press the release buttons on both sides of the fixture and pull downward. (Fig. 8)



Installation, Continued Suspended Mount

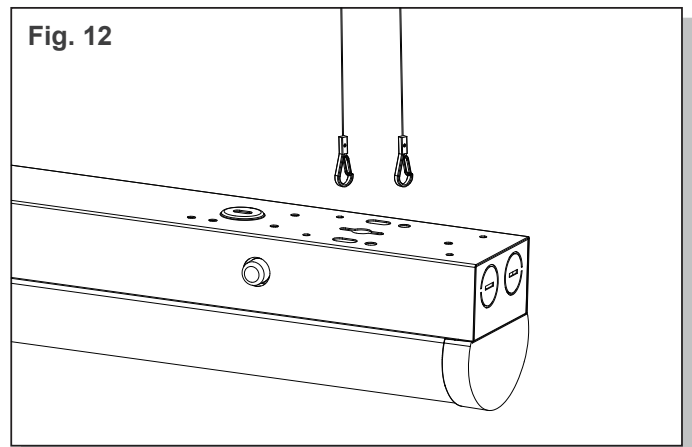
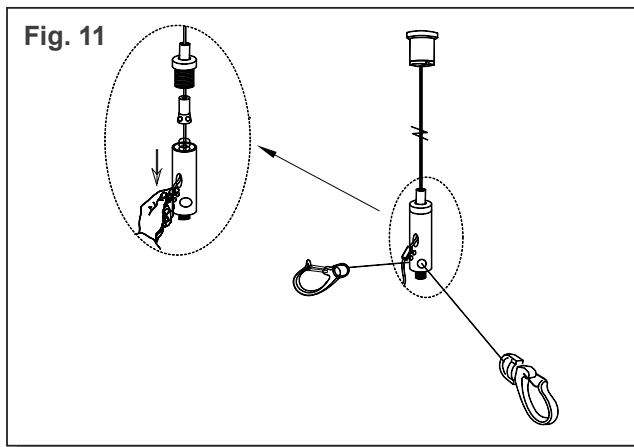
Note: Suspension cable accessory sold separately.

1. Attach the mounting hardware to the ceiling per the chart shown. (Fig. 10)



2. Adjust the cable to the desired length. (Fig. 11)

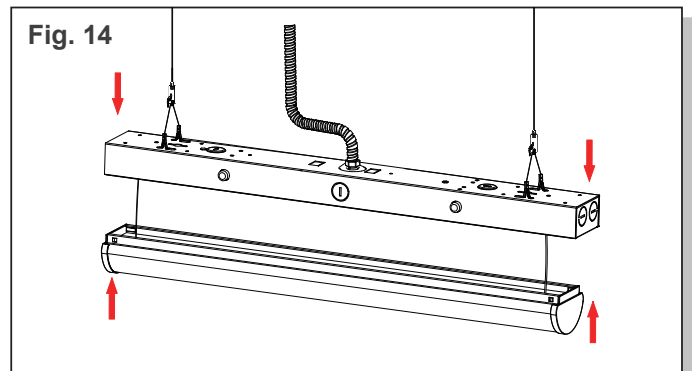
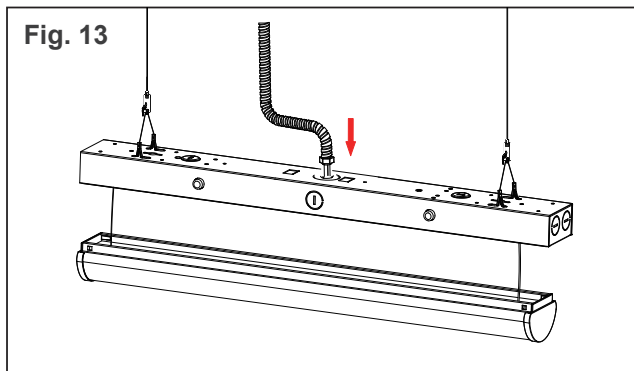
3. Adjust the lower cable evenly so the fixture is level. (Fig. 12)



4. Make electrical connections; see **Electrical Connections** section.

5. Attach conduit to the lamp housing. (Fig. 13)

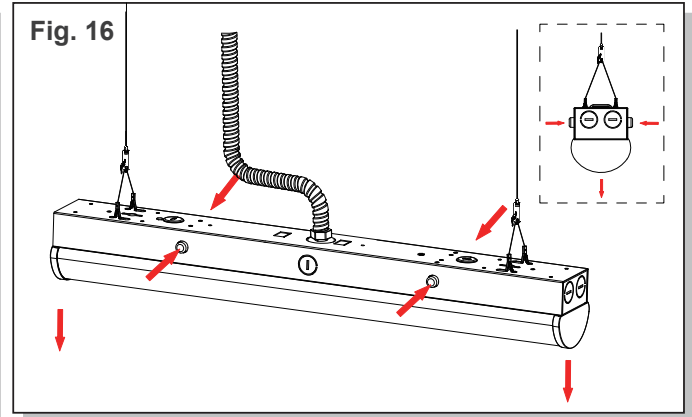
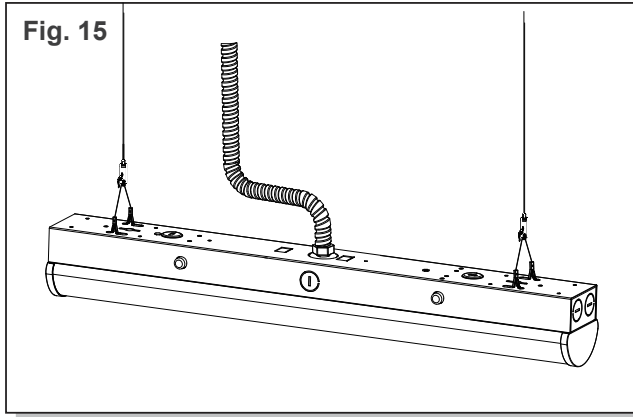
6. Press the fixture cover into the base, locking it into place. (Fig. 14)



Installation, Continued Suspended Mount, Continued

7. The installation is complete. (Fig. 15)

8. To remove the cover, press the release buttons on both sides of the fixture and pull downward. (Fig. 16)

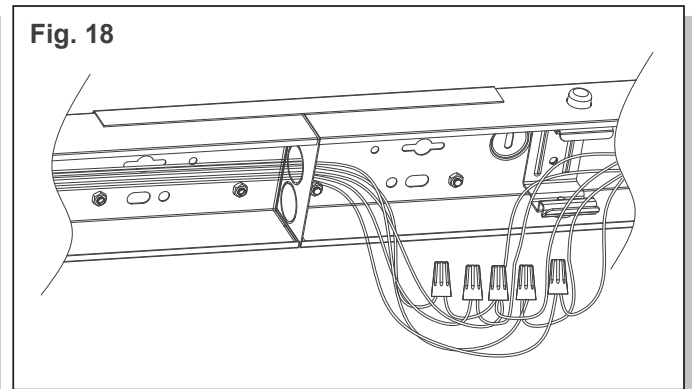
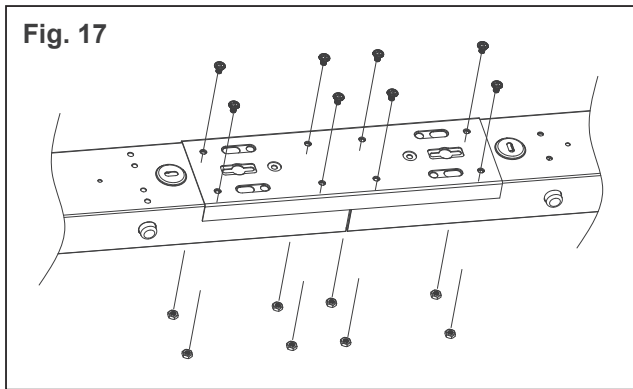


Continuous Row/Linkable (Daisy Chain Connection)

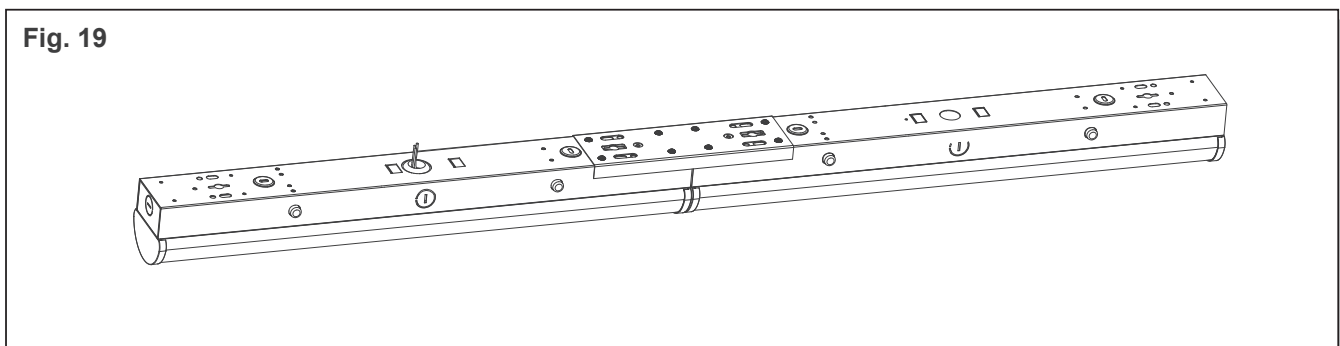
Note: Linkable accessory for ceiling or suspension sold separately.

1. Attach two fixtures together with the connecting bracket using the screws and nuts provided. (Fig. 17)

2. Make electrical connections inside the fixture. (Fig. 18)



3. Press the fixture covers upward to lock them into place; the daisy chain connection is complete. (Fig. 19)



Electrical Connections (Fig. 20-22)

All electrical connections should be made inside the junction box. Make electrical connection as follows:

120-277VAC

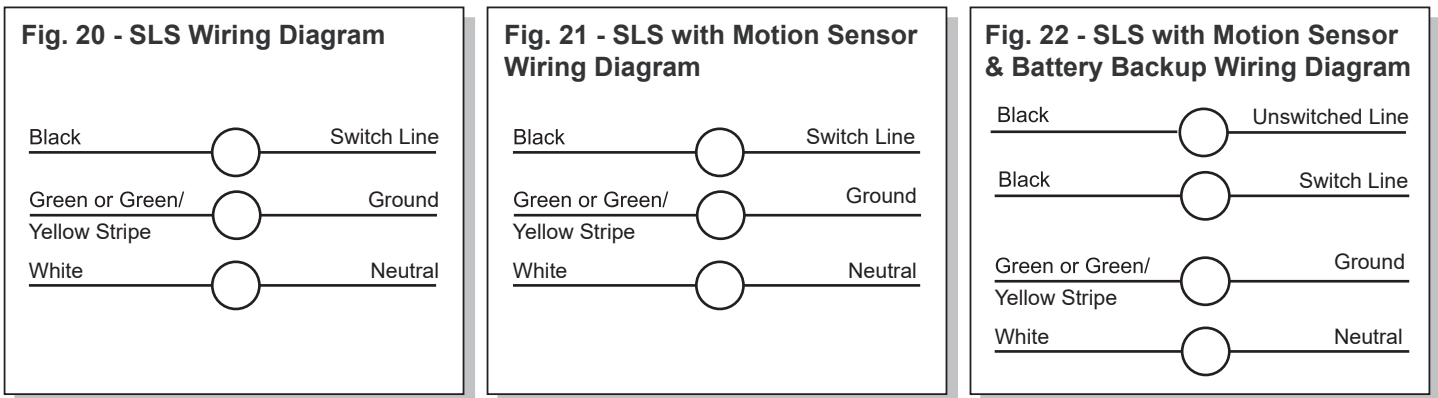
Black - 120-277VAC

White - Common

Green/Yellow Green - Ground

Note: Cap unused leads to prevent shorting.

This fixture auto-adjusts to voltages between 120-277VAC.



Troubleshooting

If the fixture does not turn ON:

1. Check incoming voltage to the LED driver. The voltage must be a minimum of 120VAC and no greater than 277VAC.
2. Are all LEDs on the light engine OFF? If so, the LED driver may be defective. Using a voltmeter, check to see if voltage is present at the output of the power supply. If low or no voltage is found, replace the power supply.
3. If any individual LEDs are OFF, the LED light engine may be defective. Please have the serial number of the light engine available when you contact technical support.
4. If the unit is equipped with a sensor, check the sensor to make sure it is functioning properly.

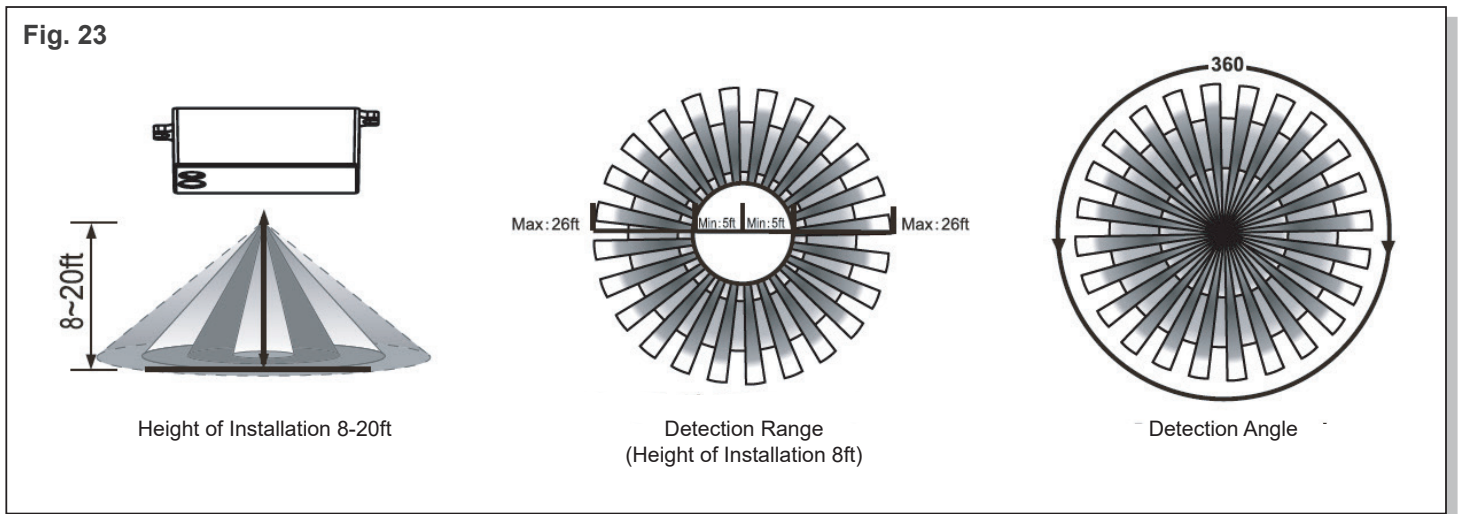
Battery Backup Information and Operation

1. Make sure battery is connected prior to closing fixture.
2. When power is turned ON for the first time, press the test button for 1 second to activate.
3. Battery requires up to 24 hours to fully charge after connecting to unswitched line power.
4. Battery backup has a momentary test button with a red indicator light.
 - Red indicator light ON: Indicates there is unswitched power to the battery backup and it is in charging mode.
 - Indicator light OFF: Battery backup is in discharging mode and there is no power to the unswitched line. Fixture LEDs illuminated by battery power.
5. Pressing test button when main supply is on, white simulates loss of power. The red indicator light should go OFF and the fixture LEDs should illuminate under battery power. Pressing the test button for 3 seconds resumes normal operation.

Motion Sensor and Remote Information and Operation

1. Motion sensor operates by using microwaves to detect motion and a photocell to measure ambient light levels.
2. Default operation of the motion sensor is:
 - Motion sensor has a 20 second warm up at 100% power on initial power up.
 - Motion sensitivity is set to 100%
 - Hold time is set to 5 minutes
 - Standby period is set to standby/twilight before unit turn off = $+\infty$ /will not turn off
 - Standby dimming level is set to 10%

3. Sensor Coverage



4. This sensor is equipped with dip switches that allow the user to adjust some settings (more settings can be adjusted via option remote control accessory).

Motion Sensor and Remote Information and Operation, Continued

Sensor Settings

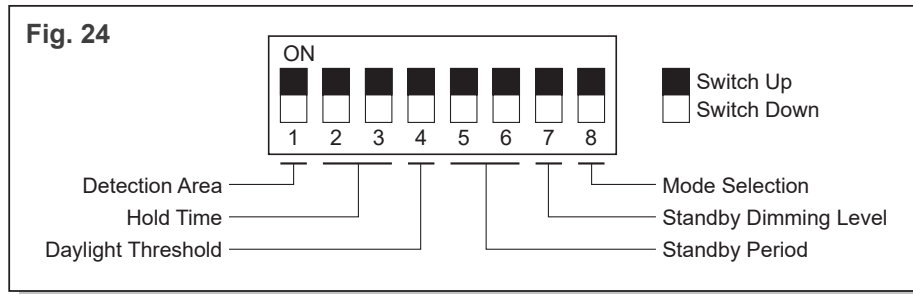
IR remote control programming/commissioning (sold separately) allows user to program:

- Sensitivity (100%, 75%, 50%, or 25%)
- Daylight harvesting (2Lux/10Lux/30Lux/50Lux/80Lux/120Lux, Disabled)
- Standby/Hold time before dimming (5sec, 30sec, 1min, 2min, 5min, 10min, 20min, 30min)
- Dim/Twilight level (10%, 20%, 30%, 50%)
- Standby/Twilight time before unit turns off (+∞/does not turn off, 0sec (no twilight), 30sec, 1min, 5min, 10min, 30min)
- Sensor Mode Selection (ON, OFF)-->Dipswitch only

Sensor Default Settings

- Sensitivity: 100%
- Hold time: 5 min
- Standby period: 0 sec
- Standby dimming level: 10%
- Sensor mode selection: ON

- This sensor is equipped with dip switches that allow the user to adjust some settings (More settings available via the remote control)
- Detection range up to 40'. Mounting height between 6.5' – 15'
- The sensor can easily be disabled for the fixture on/off operation (via dipswitch).



By selecting the combination of the DIP switches, sensor data can be precisely set for each specific application.

<input checked="" type="checkbox"/>	100%
<input type="checkbox"/>	50%

Switch 1 - Detection area

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30sec
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1min
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2min
<input type="checkbox"/>	<input type="checkbox"/>	5min

Switches 2 & 3 - Hold time

The period of light keeping 100% brightness after moving objects leave the detection area.

<input checked="" type="checkbox"/>	Disable
<input type="checkbox"/>	50lux

Switch 4 - Daylight Threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0sec
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1min
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5min
<input type="checkbox"/>	<input type="checkbox"/>	+∞

Switches 5 & 6 - Standby Period

The period of light keeping low output before it's completely switched off. When it's preset as "∞", the light always kept at low output if no movement in the detection area and doesn't turn off.

<input checked="" type="checkbox"/>	10%
<input type="checkbox"/>	30%

Switch 7 - Standby Dimming Level

The definition of low output in the standby period.

<input checked="" type="checkbox"/>	ON
<input type="checkbox"/>	OFF

Switch 8 - Mode Selection

Sensor mode on when the DIP switch is up; sensor mode off when the DIP switch is down.

Motion Sensor and Remote Information and Operation, Continued Sensor Remote Settings

ON/OFF

1. "ON/OFF" key only functions as a switch of the light.
2. If this button is pressed to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.

Auto Mode

If the "Auto Mode" button is pressed, the sensor starts to work and all settings remain the same before the light gets switched on/off.

Reset

1. Press "Reset" button to change brightness to max level.
2. Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise initial settings will be; 100% detection range, hold time 5S, no standby time and daylight threshold disabled.

Flashes after pressing any button.

Flashes only after pressing "Apply" button.

+/-

1. To adjust brightness 10-100% in on/off mode.
2. To adjust highest brightness 60-100% in sensor mode.

Start

Press "Start" to customize scene; users can change detection range, daylight threshold, hold time, standby dimming level and standby period.

Memory

1. Press "Memory" to save all the settings.
2. The settings remain the same as the last time if the values are not reset.

Apply

1. Press "Apply" to deliver the saved setting.
2. Press "Apply" without "Memory" will make all the setting one-time operation.
3. Settings should be done within 30s, otherwise it exits memory mode.

Detection area (Press to define detection area 100%/75%/50%/25%).

Hold time (Press to define hold time 5s/30s/1min/3min/5min/10min/20min/30min).

Standby dimming level (Press to define standby dimming level 10%/20%/30%/50%).

Standby period (Press to define standby period 0s/10s/30s/1min/5min/10min/30min/+∞).
Note: "0s" means no standby period; "+∞" means unlimited standby period.

Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable).
Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.

Test (2s)

The button "Test (2s)" is for testing purpose after commissioning. By pressing this button, the sensor goes to test mode (hold time is only 2s).

5. The sensor can easily be disabled for fixture on/off operation (via dipswitch Mode Selection).

6. Optional remote control provides additional features and overrides default motion sensor operation. Remote control sends motion sensor commands via infrared (IR) signal. The motion sensor will beep on receipt of commands from the remote. The motion sensor has an internal memory that remembers the last programming from the remote, even after power loss. Remote control part #TL-HA-REMOTE. Remote control not required if default settings are acceptable.