



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.
- Do not use outdoors.
- 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!

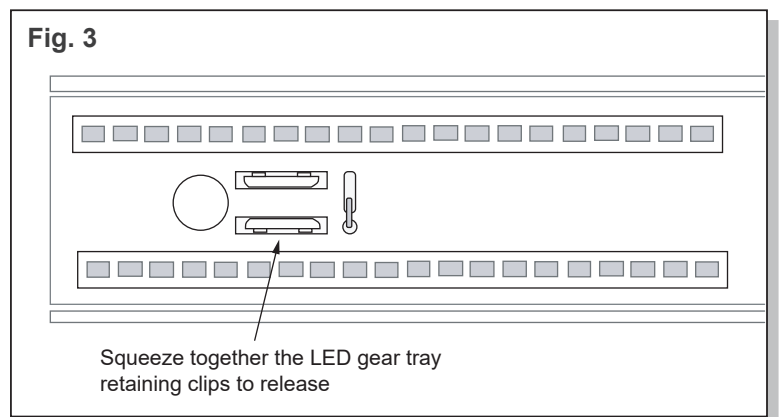
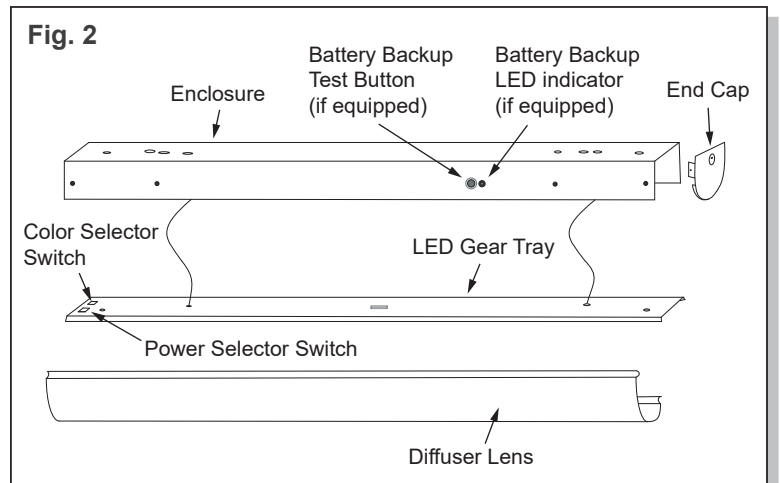
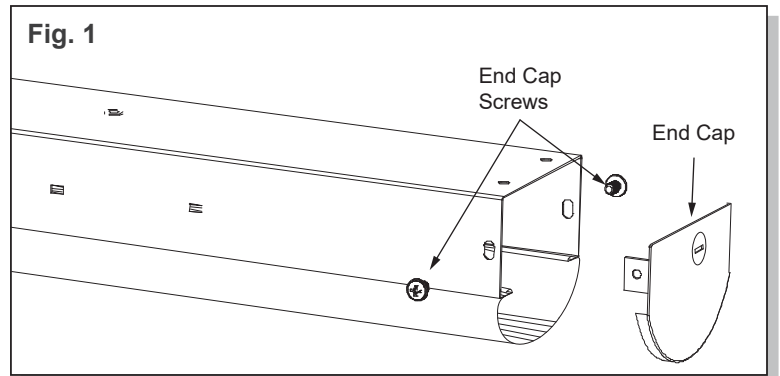
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Installation

1. Remove the fixture from its packaging. Locate and set aside the separate hardware bag.
2. Remove the (2) end cap Torx screws and remove the end cap. (Fig. 1)
3. Lightly squeeze the diffuser lens to disengage, then slide out from the enclosure and set aside. (Fig. 2)

Note: Take care not to touch or damage the exposed LEDs.

4. Squeeze together the LED gear tray retaining clips and disengage the LED gear tray from the enclosure. (Fig. 3)
5. Using the enclosure as a template, mark the desired mounting hole locations on the mounting surface.
6. Prepare holes in mounting surface for mounting hardware.
7. Remove electrical knockouts for making desired electrical connections, as needed.
8. If mounting to a J-box, make electrical connections; see **Electrical Connections** section. Attach the enclosure to the J-box per code.
9. Mount the enclosure to the mounting surface with the fasteners supplied or hardware provided by others suitable for the mounting application.
10. If not completed already, make electrical connections; see **Electrical Connections** section.
11. If equipped with battery backup, connect the battery connectors.
12. Reinstall the LED gear tray by positioning it over the retaining clips then pushing until fully engaged.
13. Adjust the power selector switch located on the LED gear tray to the desired level.
14. Adjust the color selector switch to the desired CCT.
15. Reinstall the diffuser lens by lightly squeezing the diffuser lens to engage the enclosure, then slide into position.
16. Reinstall the end caps and end cap screws.



Electrical Connections (Fig. 4-6)

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

120-277VAC

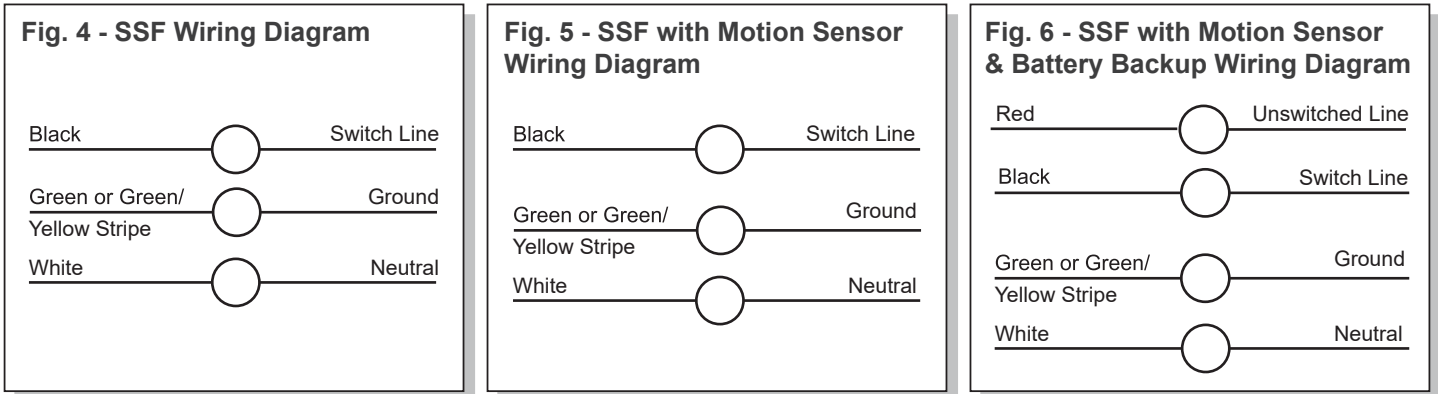
Black - 120-277VAC

White - Common

Green/Yellow Green - Ground

Note: Cap unused leads to prevent shorting.

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



Battery Backup Information and Operation

1. Make sure battery is connected prior to closing fixture.
2. Battery requires up to 24 hours to fully charge after connecting to unswitched line power.
3. Battery backup has a momentary test button with a red/green LED indicator light.
 - Steady red indicator light ON: Indicates there is unswitched power to the battery backup and it is in charging mode.
 - Flashing red indicator light: Indicates battery may be disconnected or battery may be defective. Check battery connection and battery voltage and condition.
 - Indicator light OFF: Battery backup is in discharging mode and there is no power to the unswitched line. Fixture LEDs illuminated by battery power.
 - Steady green indicator light ON: Indicates the battery is fully charged.
4. Pressing and holding the momentary test button simulates the loss of power to the unswitched line. The solid red or green indicator light should go OFF and the fixture LEDs should illuminate under battery power. Releasing the test button 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
 - Twilight time is set to standby/twilight before unit turn off = +∞/will not turn off
 - Twilight level is set to 50%
3. 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-RC-SCNS. Remote control not required if default settings are acceptable.
4. Full motion sensor and optional remote instructions are included in the box or available on the **Barron Lighting Group** website.
5. Sensor can be disabled by disconnecting the low voltage gray and purple wires from the sensor; cap unused wires.

TL-RC-SCNS Remote Functions



Permanent ON / OFF function

- Press “ON/OFF” button, fixture goes to permanent on or permanent of mode, sensor is disabled.
- Press “Auto”, “Reset” or “Ambient learn” to quit this mode.



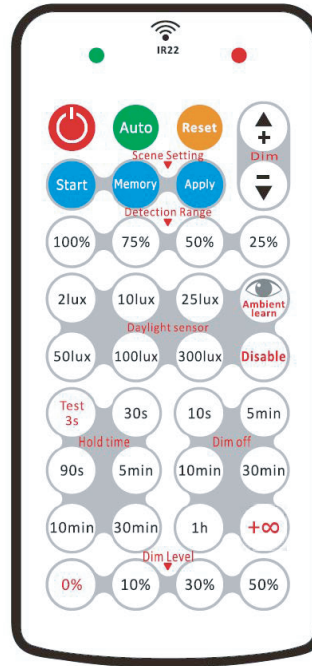
Sensor Mode

- Press “Auto” button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.



Reset function

- Press “Reset” button, all settings go back to factory default settings.
- Factory default settings:
 - Sensitivity: 100%
 - Daylight Sensor: Disabled
 - Hold Time: 90 seconds
 - Twilight Time: 5 minutes
 - Twilight Level: 10%



Note:

The buzzer short beeps once when sensor successfully receives RC signal after pressing any buttons expect for “APPLY”

When “twilight level” set at 0%, it becomes ON/OFF control



Power Dim +/-

- Press “Power Dim +” button to dim up the power step by step (20%-40%-60%-80%-100%). Press “Power Dim -” button to dim down the power step by step (100%-80%-60%-40%-20%).



Disable

- Press “Disable” button, the daylight sensor will be disabled, the motion sensor will work always, even in daytime.



Test Mode

- “Test Mode” is for testing purpose only, for users to check the functionality and choose the desired detection range. The sensor goes to test mode automatically after pressing this button.
- Users can quit this mode by pressing “ON/OFF”, “Reset” or any button of “Hold Time”. The sensor settings are changed according.
- Test mode default settings:
 - Daylight Sensor: Disabled
 - Hold Time: 3 seconds
 - Twilight Time: N/A
 - Twilight Level: N/A
- In this mode, when used for on/off control, after motion is detected, sensor enters into a cycle of 3 seconds on and 2 seconds off. In this mode, when used for tri-level dimming control, after motion is detected, sensor enters into a cycle of 3 seconds on and 2 seconds off (0.5 second soft off + 1.5 seconds off)



Ambient Learn

- Press “Ambient Learn” button, the latest surrounding lux value overwrites previous lux value learned and set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.

TL-RC-SCNS One-key Memory Commissioning



Start

Step 1: Long press “Start” button for 2 seconds until green LED is permanently on, then input all desired settings by pressing the buttons in each function zone. The green LED will flash once to indicate the operation was successful.

*After 2 seconds, start to input the parameters, interval time each function zone button will be within 10 seconds. Otherwise, re-start at step 1 for memory scene.

Memory

Step 2: Press “Memory” button to memorize all setting parameters. Green LED will flash ONCE to indicate the operation was successful.

Apply

Step 3: Press “Apply” button to copy the same settings to other sensors, point the remote control to the receiving sensor for a minimum of 2 seconds. Red LED will flash to indicate the operation was successful, the receiving sensor will buzz also to indicate a successful operation.

EX. Setting detection range 50%, daylight threshold 200lux, hold-time 30 seconds, dim to off 1 hour, dim level 10%, the steps are as follows:

1. Press “Start” button for 2 seconds, choose “50%”, “200lux”, “30s”, “1h”, “10%” function zone button.
2. Press “Memory” button.
3. Press “Apply” to other sensors, then all of them will share the same settings.

Daylight Monitoring Function

Utilizing the Dual-processor technology, this sensor can tell the difference of natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even without movements) when the ambient light is below target value, and then switch off automatically whenever the artificial light is not required (ambient light is bright enough).

This is the REAL & INTELLIGENT daylight monitoring sensor for built-in installation.

Note:

Lux-Off sampling time: 30 seconds

Lux-On sampling time: 10 seconds

Lux-On function takes effect only when standby dimming period is set at $+\infty$.

