

LED Indoor Luminaires

Surface Mount – PIR Motion & Photocell

120-277VAC / 60Hz

Model #: IRIFxxLAJMVxx

Safety Precautions

- Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage.
- It is recommended that a qualified electrician perform all the wiring. This fixture must be wired in accordance with all national and local electrical codes.
- Do not handle any energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.
- This fixture is designed for use in a 120-277VAC / 60Hz circuit. This fixture is not compatible with a dimming circuit.
- Make sure that the power source conforms to the requirements of the fixture. (See labels on the fixture housing).
- To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) contact between this fixture and the ground connection of your main power supply panel.
- This fixture is intended to be used for general indoor lighting in dry, damp or wet locations. For wet application, it must be mounted at least 48 inches above the ground level and must be under covered ceiling mount only (not suitable for submersion).
- Disclaimer

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and Canadian ICES-005 (B) / NMB-005 (B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiver antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult with the dealer or an experienced radio/TV technician for help.

Any modifications to this fixture may void the warranty and interfere with the safe operation of the luminaire.

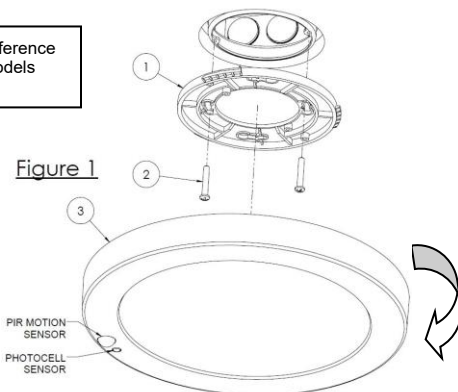
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Assembly Instructions

Step 1 – Preparing for installation

- Disconnect electrical power at the fuse or circuit breaker box before installing or servicing any part of this fixture.
- Carefully remove the fixture and parts bag from the carton.
- Remove components from the parts bag.
- Remove the mounting bracket (1) from the back of the fixture (3) by twisting counterclockwise and lift off.
- Install the mounting bracket (1) to the 3-0 or 4-0 junction box (not included) using two screws (2) to secure it.

View shown for reference only. Individual models may vary.



Wiring – All wiring must take place inside the junction box (not included)

Caution: Make sure power is off at the fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within three inches of the fixture, use wire suitable for at least 90°C (194°F).

Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician to ensure correct branch circuit conductor before installing.

Step 2 – Wiring fixture

- Make all wire connections to appropriate wire. Secure with wire nuts (provided).
- Connect the white wire from the fixture to the white (N) wire from the supply power source.
- Connect the black wire from the fixture to the black (L) wire from the supply power source.
- Do not mix wires.** Pull on each wire lead to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors. Tuck all connections neatly into the junction box.

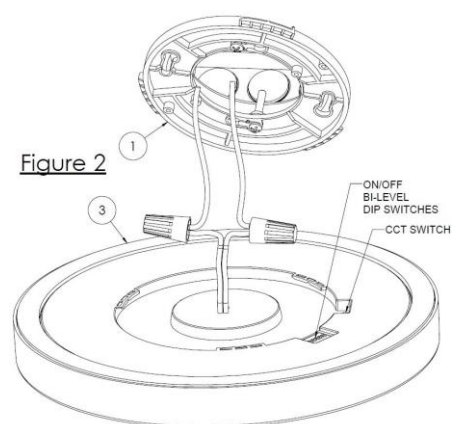
Step 3 – Color Changing Temperature Adjustment, CCT (if desired)

- CCT switch is located behind the fixture. Adjust switch to desired temperature of 2700K, 3000K, 3500K, 4000K, or 5000K as seen below. Note: Fixture is preset to 3000K from factory. Power to the fixture must always be turned OFF prior to adjusting the CCT switch.

Step 4 – PIR Motion and Photocell sensor operation (Fixture is preset with both PC and MS detection set to OFF)

Note: When the DIP switch is set to OFF, the fixture operates as a standard luminaire controlled by a wall switch.

- PIR Motion Sensor:** When motion is detected under dusk conditions, the fixture will switch to 100% brightness for the duration of the selected standby time. Otherwise, the fixture will remain OFF until motion is detected during dusk conditions. Note: Detection range is 12 feet at 110° (including 30° blind spots directly below sensor). The sensor operates only under dusk conditions when the DIP switch #1 is set to ON.
- Photocell:** The fixture includes an integrated photocell for dusk-to-dawn operation. When sufficient ambient light is detected, the fixture remains OFF. When ambient light falls below the threshold, the fixture turns ON to 100% brightness and then transitions according to the configured standby time and lumen settings per the chart. Note: Detection threshold is a minimum of 10 lux. The photocell functions only when the DIP switch #1 is set to ON.



Step 5 – Mounting fixture

- Install the fixture (3) by aligning its center with the mounting bracket (1), then push it flush against the ceiling and rotate clockwise until fully seated and secure.

Step 6 – Restore power at the fuse or circuit breaker box

1 2 3 4 5		
Sensor	Standby Time	Standby Lumen
on	10s	0%
off	3min	10%
	15min	30%
	24h	50%

- 2700K
- 3000K
- 3500K
- 4000K
- 5000K

Limited Factory Warranty

AFX Inc. hereby warrants that this fixture is free from defects in materials and workmanship when installed and used under normal operating conditions for a period of 5 years from date of purchase. This warranty covers all component parts and extends only to replacement of defective fixture or components; it does not cover failure due to improper installation, misuse, mishandling or damage incurred in transit.

