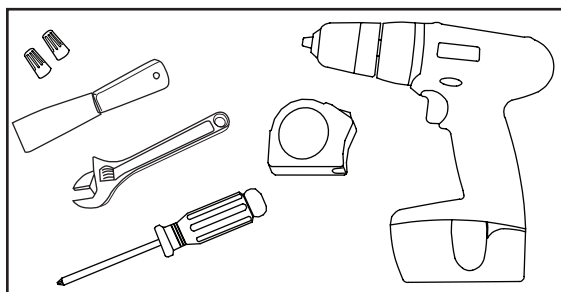
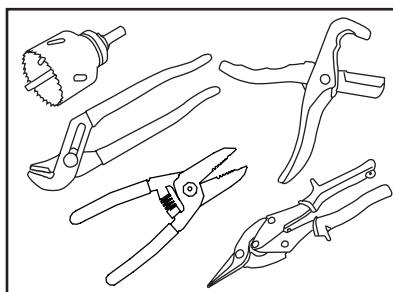


Progressive Canopy/Down Light

Installation Guide for 701948



Tools and supplies required: Cordless drill, #2 Square drive bit (not shown), adjustable end wrench (1.25" (32 mm) minimum opening), putty knife, roof tar (not shown), tape measure, Phillips-head screwdriver, and wire nuts for 14/18 AWG



Optional tools: Sheet metal scissors/nibbler, 2 in (50 mm) metal diameter hole saw, pliers, wire stripper, tubing cutter, and SloanLED Installation Template (shown below)

NOTE:

New refers to mounting to a new/replaced canopy skin.

Replacement refers to the complete removal and replacement of an existing fixture.

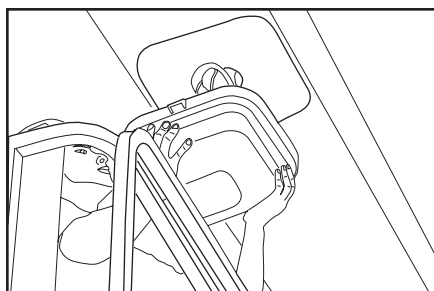
Retrofit refers to the partial disassembly of an external components and installation to the remaining fixture shell.

Definition:

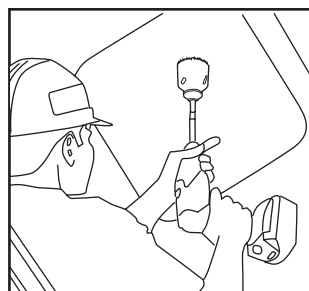
Luminaire is a complete lighting unit; i.e. no replaceable lamp or bulb.

Preparation for Install

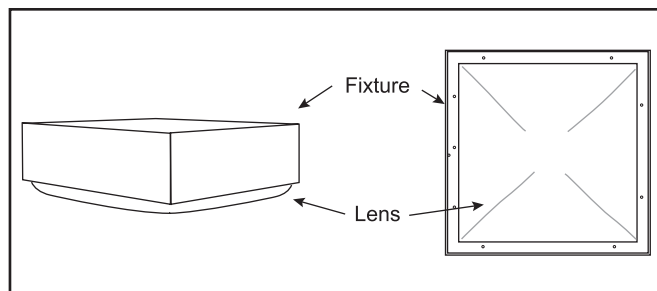
NOTE: A licensed electrician must disconnect the primary power from the circuit connected to the fixture, and provide any lockout tags on the breakers or switches as required by the local electrical code.



Replacement: Disconnect wiring from the old fixture and remove fixture from canopy.

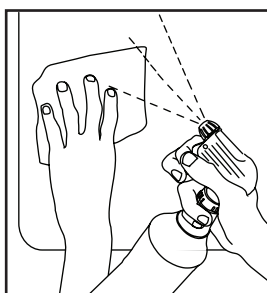


New: Drill hole in canopy at desired center of light with 2 in (50 mm) diameter metal hole saw.

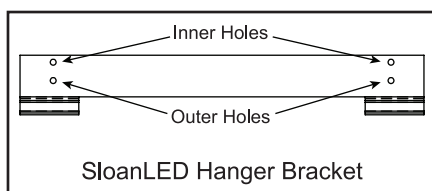
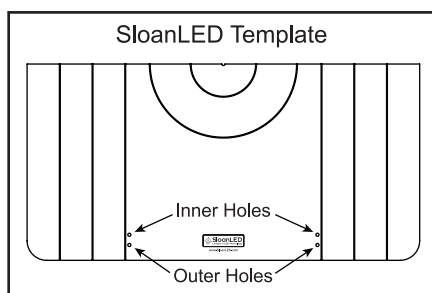


Retrofit: Remove lens from fixture and disconnect wiring inside the fixture, ensuring enough wire to make a new connection. Affix the power supply to the wall of the fixture using the supplied zip ties. A licensed electrician must wire the primary side of power supply to the primary wiring.

NOTE: The luminaire may not be compatible to retrofit to all variations and styles of existing fixtures. Replacement may be required.



Clean installation area: Clean surface with a cloth and cleaning agent.



Mark drill holes: Hold clear SloanLED Template up to mounting area. Line up opening with half-circles on template. Use the lines as guides to square the template along the canopy rib lines. Mark drill holes using the small circles in the template according to the installation type:

New/Replacement/Retrofit: (Recessed): Use outer set of holes.

Retrofit ("2x2" or "Shoebox"): Use the outer holes for fixtures 22 in (560 mm) or wider, the inner holes for fixtures less than 22 in (560 mm) wide.

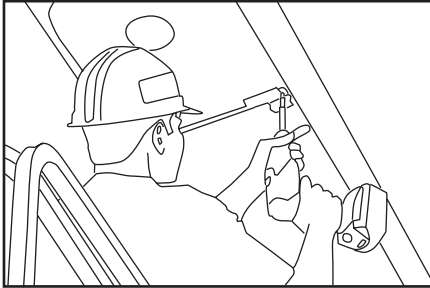
SloanLED Hanger Bracket included with each luminaire.



Progressive Canopy/Down Light

Installation Guide for 701948

Installation



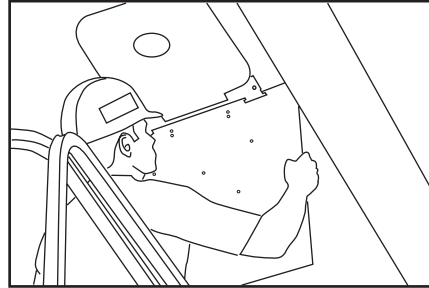
1. Install the hanger bracket:

Retrofit (Recessed): Secure the hanger bracket to the underside of the canopy with 2 screws through the outer holes into the canopy deck.

Retrofit ("2x2" or "Shoebox"): Secure the hanger bracket using 2 screws through the shoebox fixture bottom flange. If possible, attach speed nuts on the bracket screws.

NOTE: Use the outer holes of the frame for 22" (260 mm) or wider fixtures, the inner holes for 22 in (260 mm) or less.

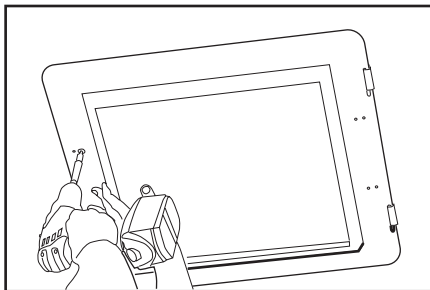
New/Replacement: Secure the hanger bracket from the underside of the canopy with 2 screws through the outer holes into the canopy deck. If possible, use an existing penetration for the flexible conduit by lining up with the template. Otherwise, drill a 2 in (50 mm) diameter hole for the flexible conduit penetration based on the installation template.



2. Hanging the luminaire:

Holding the luminaire in a vertical position, hang from the hanger bracket.

Retrofit: A licensed electrician must be used to make all primary and secondary connections between the luminaire and the power supply.

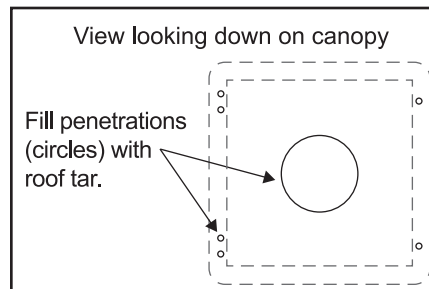


3. Securing the luminaire:

New/Replacement/Retrofit (Recessed): Pull the luminaire against the hanger bracket, swing the luminaire up and set 4 screws through either the inner or outer holes of the frame into the canopy deck.

Retrofit ("2x2" or "Shoebox"): Pull the luminaire against the hanger bracket, swing the luminaire up, and set 4 screws through the fixture bottom flange.

NOTE: Use the outer holes of the frame for 22 in (560 mm) or wider fixtures, the inner holes for 22 in (560 mm) or less.)



4. Sealing the luminaire:

New/Replacement only: Spread roof tar (silicone may be used as well) around holes in the canopy and around mounting screws protruding up through the canopy. The installer must attach the supplied speed nuts on all New/Replacement installations. If desired, position the canopy protrusion cover plate and secure with roof tar.

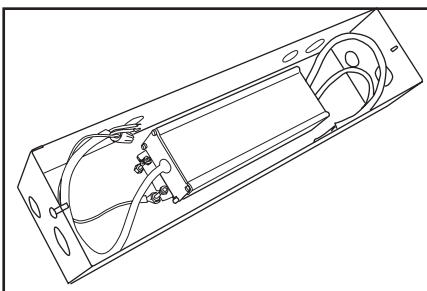


Progressive Canopy/Down Light

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5. Mounting the junction box:

New/Replacement only: Mount junction box onto panel interlocking supports so that it is elevated off the lowest surface of the canopy. The junction box can be mounted either parallel to the ribs or across two ribs. Ensure that the distance from the flexible conduit attached to the light to the junction box is less than 18 in (460 mm) in order to comply with UL1598. During the installation of the conduit, restrain the conduit locknut on the 1/2 in (16 mm) conduit fitting protruding from the luminaire from rotation.



6. Connecting the power supply: Feed the secondary connector through the desired knockout in the junction box and secure with a steel locknut. A licensed electrician must be used to make all primary and secondary connections between the luminaire and the power supply inside the junction box. A licensed electrician must also connect the green earth ground wire attached to one of the standoffs to the ground wire of the primary wiring.

150 Watt 48 VDC power supply capacity chart for Progressive Canopy/Down Light

Part number	Input		Output		
	Nominal input voltage	Input current	Power output	Output current	Luminaire per power supply
701932-001	90 - 307 VAC, 47-63 Hz	1.5/0.75 A at 110/220 VAC	150 W	3.2 A	1

Troubleshooting

Luminaire does not light after complete installation.	Check connection from power supply lead to luminaire. Verify all pins in connectors are properly seated.
Still does not light.	Disconnect luminaire from power supply. Check output voltage of power supply using a voltmeter. The output voltage should be 48 VDC +/- 0.5 VDC. If there is no output voltage, have a licensed electrician check input voltage. Make sure power supply is connected correctly and getting primary power. If power supply is connected properly and getting primary power and there is still no output voltage, replace power supply.
Still does not light.	If power supply is getting primary power, has the correct output, and luminaire does not light, there may be a short in the secondary wiring. Check all connections and the condition of the wires. Measure luminaire input resistance across the red and black leads. This should be an open circuit on typical handheld multimeters.

US patents and foreign patents pending



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