

WARNING:



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

11171-SQN5, -SQN7, and -SQN12 INSTALLATION INSTRUCTIONS FOR: Square Surface-Mounted LED Downlight

Safety Precautions:

- **Read Carefully.** Read and understand all instructions before installing this fixture. Save them for future use and reference.
- **Qualified Installation.** Installation, use, and all electrical connections must comply with local codes and the National Electrical Code (NEC). If you are unfamiliar with installing fixtures, accessories, or electrical wiring, consult a qualified electrician or local electrical inspector and check your local electrical code. Have a qualified licensed electrician install this fixture.
- **Avoid Wet Conditions.** Keep hands, tools, and work surfaces dry while installing, wiring, or servicing the fixture. See Location Rating below.
- **Verify Power Source.** Check the fixture's input voltage before connecting power.
- **Risk of Shock.** House electric current can cause painful shock or serious injury. Always disconnect power before installation, wiring, or maintenance. Before making wire connections, turn off the circuit breaker or remove the fuse at the fuse panel; turning off the light switch is not sufficient to prevent electrical shock.
- **Grounding.** Ground the fixture to avoid electric shock and to ensure reliable starting. Double-check that all connections are tight and correct.
- **Supply Wire Rating.** Connect this luminaire only with supply wire/conductors rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.
- **Safe Work Practices.** Wear rubber-soled shoes and work on a sturdy (wooden) ladder or other lifting device. Make sure the fixture is cool to the touch before servicing.
- **Risk of Cuts.** Some metal parts may have sharp edges. Wear gloves when handling them.
- **Small Parts.** Account for small parts and destroy packing material, as these may be hazardous to children. Check all ceiling cutout sizes before cutting holes.
- **Location Rating.** Risk of shock. Suitable for dry, damp, and wet locations when used with a covered ceiling mount only (intended for wet locations where the luminaire is not subjected to water and precipitation from the back of the luminaire). To prevent moisture from entering, seal the space between the fixture mounting bracket and the wall with clear caulking, leaving a space at the bottom for moisture to escape. Outdoor silicone sealant is recommended.
- **Clearance From Combustibles.** Do not install closer than 6" from any curtain or similar combustible material.
- **Clothes Closets and Clothes Storage.** Do not install in a clothes closet or closet storage space closer than the minimum clearance to the nearest point of the storage space, per the U.S. National Electrical Code (NEC), ANSI/NFPA 70 Section 410.16 (410.16(A)(1), 410.16(C)(1)(5), and Figure 410.2): (1) no closer than 300 mm (12 in.) when installed on the wall above the door or on the ceiling; (2) no closer than 600 mm (24 in.) when installed on the wall below 1.8 meters (6 feet) or rod height.
- **Circuit Protection.** Install on a circuit protected by a ground fault circuit interrupter (GFCI). The fixture is designed for use with a circuit protected by a fuse or circuit breaker.
- **LED Circuit Requirements.** Install LED fixture(s)/LED driver(s) only on their own circuit; do not mix other products (incandescent, compact fluorescent, H.I.D., etc.) on the same circuit. Do not use other electrical equipment (for example, a surge protector or photocell) on that circuit unless it is rated for use with LED fixture(s)/LED driver(s).
- **Surge Protection.** If the fixture is not already installed with a surge protector, install an appropriate remote surge protector (by others) on the circuit, with nothing between it and the LED fixture(s)/LED driver(s), to help remove power surges that may harm the LED fixture(s). Periodically check that it is in good working order.



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11171-SQN5, -SQN7, and -SQN12 INSTALLATION INSTRUCTIONS FOR: Square Surface-Mounted LED Downlight

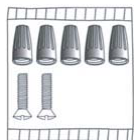
Components / Parts

- Square fixture (11171-SQN5, -SQN7, or -SQN12)
- J-box mounting plate
- Hardware kit (non-dimming or dimming version)
- Installation instructions



Hardware Kit
(Non-dimming)

OR



Hardware Kit
(Dimming)

Tools Required

- Phillips head screwdriver
- Wire connectors
- Hardware (by others: screws, nuts, etc.)
- Hand tools and power tools (e.g., power drill)
- Hole saw
- Pencil
- PZ1 screwdriver bit

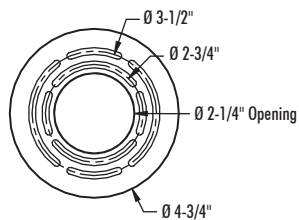
Fixture Installation

Note: Dimming fixtures and the 11171-SQN12 277V fixture require a 4" octagonal J-box x 2-1/8" deep (minimum).

1. Install the wiring and J-box in the ceiling, if needed.
2. Connect the power supply wiring (from the J-box) to the fixture wiring in the J-box (through the J-box mounting plate). See Wiring on page 3.
3. Connect the J-box mounting plate to the J-box (by others) with appropriate hardware (by others).
4. Secure the fixture to the mounting plate and rotate to lock the fixture in place.

Components Dimensions

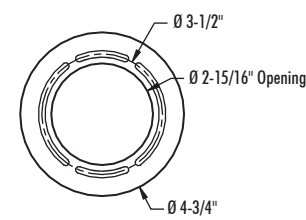
For NON-Dimming fixtures only!



J-box mounting plate (for use with #8 screws (max)). All slots are 0.193" wide.

11171-SQN12 277V requires a 4" octagonal J-box x 2-1/8" deep (minimum).

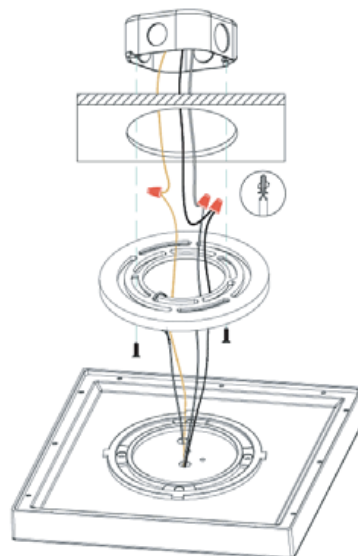
For Dimming fixtures only!



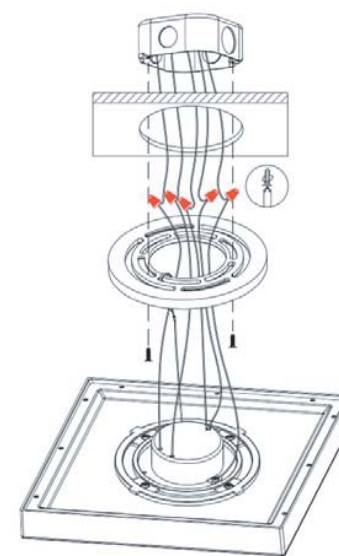
J-box mounting plate (for use with #8 screws (max)). All slots are 0.193" wide.

Requires a 4" octagonal J-box x 2-1/8" deep (minimum).

Installation (Non-Dimming)



Installation (Dimming)





1171-SQN5, -SQN7, and -SQN12 INSTALLATION INSTRUCTIONS FOR: Square Surface-Mounted LED Downlight

Wiring

WARNING: Do not use the dimming output wires (purple and gray) to connect to power input wires!

WARNING: RISK OF SHOCK. Make sure that no wires are pinched between the J-box mounting plate, J-box, and fixture!

NOTE: Check the fixture for input voltage before connecting power to the fixture. Connect the wiring in the J-box. For dimming and non-dimming wiring information, see the wiring diagrams at right.

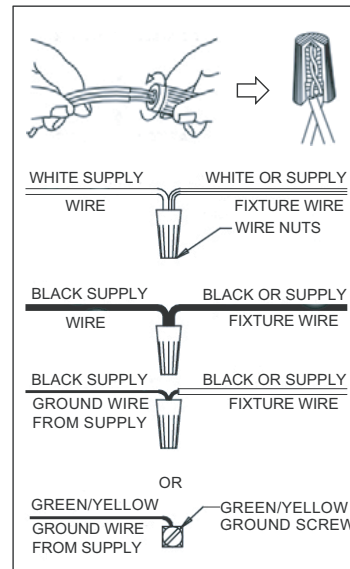
1. Connect the ground wire (green or bare copper/aluminum) from the supply circuit to the ground wire (green or bare copper), screw, or connector from the fixture.
2. Connect the neutral (common) wire from the power supply circuit to the neutral wire from the fixture.
3. Connect the main voltage supply wire (line/lead) from the power supply to the line (lead) wire from the fixture.
4. Secure the connections using UL Listed wire nuts/connectors, and then UL Listed electrical tape (by others), as required and appropriate for the connection.

Maintenance and Care

NOTE: Before installation and/or during maintenance, keep the fixture on a clean, flat surface.

1. Ensure that the power is disconnected prior to cleaning.
2. To keep the finish of this product, wipe over with a soft cloth periodically.
3. Do not use harsh chemical solvents; they may discolor or damage the finish.

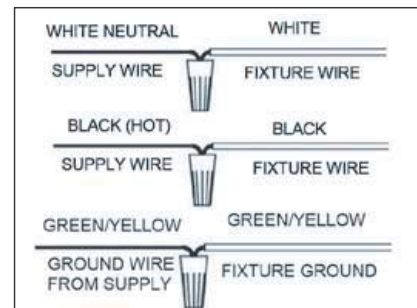
Wiring (Non-Dimming)



Wiring (Dimming)

B. Install without Dimmer

USE WIRE NUTS TO CAP OFF UNUSED PURPLE AND GRAY DIMMER WIRES



Wiring (Dimming)

A. Install with Dimmer (0-10V)

FOLLOW DIMMER WIRING INSTRUCTIONS

