

# Installation Instructions

## NIOC-2SNDSQ

### 2" Iolite Can-less Square Downlight

**READ PRIOR TO ATTEMPTING INSTALLATION**  
**ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION**  
**INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN**

**⚠ WARNING** - Risk of shock. An electric current can cause painful shock or serious injury unless handled properly. For your safety, always remember to turn off power supply at the fuse or circuit breaker box before you install the fixture and ground the fixture to avoid potential electric shocks and to ensure reliable starting.

**⚠ WARNING** - Risk of cuts. Some metal parts in the fixture may have sharp edges. To prevent cuts and scrapes, wear gloves when handling the parts.

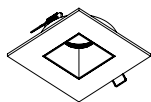
**⚠ IMPORTANT** - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electric Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

**⚠ AVERTISSEMENT** - Risque de choc. Un courant électrique peut causer des chocs douloureux. Pour votre sécurité, vérifiez l'alimentation du boîtier du disjoncteur avant d'installer le projecteur et de le mettre à la terre pour éviter tout risque choc et assurer un démarrage fiable.

**⚠ AVERTISSEMENT** - Risque de coupure. Certaines pièces métalliques de l'appareil peuvent avoir des arêtes vives. Pour éviter les coupures et les éraflures, portez des gants lors de la manipulation des pièces.

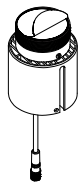
**⚠ IMPORTANT** - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite en conformité avec l'édition actuelle du Code national de l'électricité et toutes étatiques et locales codes du bâtiment applicables. L'installation finale doit être approuvée par l'inspecteur en électricité / bâtiment qualifié approprié(s). Une mauvaise installation peut entraîner un incendie ou un risque électrique. Soyez sûr de la puissance électrique vers le circuit a été coupée avant l'installation de ce système électrique.

#### PACKAGING CONTENTS

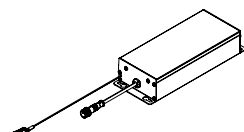


NIOC-2SNDSQ  
2" Square Downlight Trim

#### COMPONENTS NEEDED



NIOC-24LED  
2" & 4" LED Module



NJCB-12  
12W Driver Box

#### DRIVER INSTALLATION

##### ⚠ TURN OFF MAIN POWER BEFORE INSTALLATION

1. Make sure power is off.
2. Locate a suitable position to install luminaire and cut a 3-1/8" diameter hole in the ceiling. (Figure 1)
3. Run power supply leads through the hole. Use NMD90 Romex or BX Cable.
4. Open the driver box (NJCB-12) and remove the appropriate knockouts.
5. Insert power supply leads through the knockout and secure with a cable connector. (not included)
6. Using push-in connectors, connect the same colored power supply lead wires to the driver box wires. (Figure 2)
7. Place all wiring and connections back into the driver box and close the cover.
8. Place driver box through the mounting hole and secure (Figure 3).

Figure 1

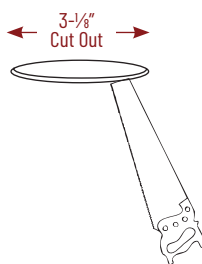


Figure 2

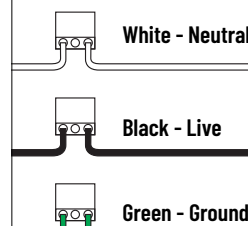
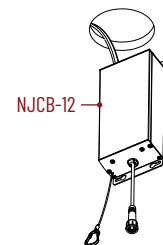


Figure 3



#### TRIM/MODULE INSTALLATION

Note: LED module (NIOC-24LED) comes pre-installed with flood optic and protective film. Remove film before powering. (Figure 1)

1. Make sure power is off.
2. Change optic to desired optic, or proceed to step 4.
3. Align the pins from optic to the holes in the LED module (NIOC-24LED). (Figure 2)
4. To avoid misalignment attach trim (NIOC-2SNDSQ) with LED module facing upward and turn clockwise to lock. (Figure 3)
5. Secure the NEC clip on the driver box (NJCB-12) to LED module. (Figure 4) **NOTE:** NEC clip required if driver box is not fastened to the ceiling

Figure 1

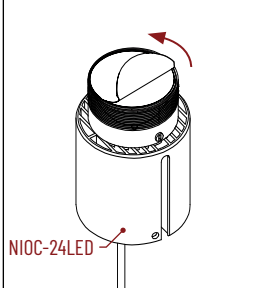


Figure 2

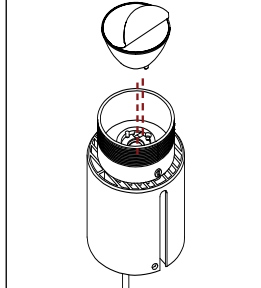


Figure 3

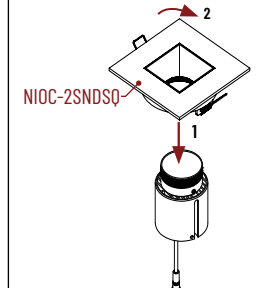
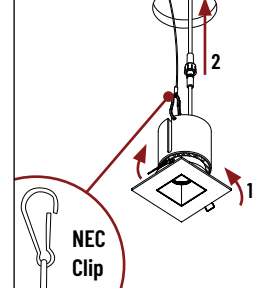


Figure 4



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#### LUMINAIRE INSTALLATION

1. Connect the LED module to the driver box by inserting and twisting the male/female connector. (Figure 1)
2. Push spring loaded clips on the fixture upwards and insert fixture base into the mounting hole. Release the clips and fixture will be pulled flush to the ceiling. (Figure 2)
3. Do not place driver box above luminaire. (Figure 3)
4. Once assembly is complete, turn on power to confirm fixture is working properly.

