Install according to CCEA and NEC code. Many structures carry grounding via steel conduit. If this is the case, if there is no grounding wire, simply leave green wire on fixture unattached. Fixture will be grounded through attachment of conduit to junction box. However, if Romex or PVC conduit is used, ground wire will always be present, and must be connected to green wire on fixture junction box to avoid electrical shock hazard.

**Insulated Ceilings - Type IC**

The insulated ceiling or IC approved recessed fixture is one that can be installed in direct contact with insulation.

**Suspended Ceilings - Type S**

Fixture can be installed in suspended ceilings that are not permanent or insulated.

**Airtight Installation**

Nora housings certified under ASTM E283 are supplied with a pre-installed gasket or supplied with a ready-to-install self adhesive gasket.

**Step 1.** Lay gasket flat and peel protective paper backing from gasket to expose adhesive side.

**Step 2.** Apply supplied gasket to ceiling lip and wrap gasket around inside of housing to form seal of the ceiling opening or apply caulk per state/local code. When properly installed, Nora housings provide compliance with restricted air-flow regulations.

**Fire/Electrical Hazard: Install According to National Electric Code and Any Applicable Municipal Code Requirements.**

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.

For additional details, contact technical support at 800.686.6672.

**FEU / Risque Électrique: Installer Selon au Code Électrique National et les Exigences de Code Municipaux Applicables.**


**Important Risk of Fire:**

Most dwellings built before 1985 have supply wire rated 60°C (thermal cutoffs in fixtures operate at 90°C). Consult a qualified electrician prior to installation. If supply wires are located within three inches of fixture, use wire rated for at least 90°C. Contact technical support at 1-800-686-6672 for additional details.

**Important Risk d’Incendie:**

La plupart des logements construits avant 1985 ont le fil d’alimentation nominale de 60°C (disjoncteurs thermiques dans les appareils fonctionnent à 90°C); consultez un électricien qualifié avant l’installation. Si les fils d’alimentation sont situés à moins de trois pouces de appareil, l’utilisation de fil résister au moins à 90°C. Contactez le support technique au 1-800-686-6672 pour plus de détails.

**Driver Replacement:**

1. Turn off power.
2. Pull the trim down from the opening.
3. Disconnect the orange connector.
4. The driver can be removed by sliding it out from the snap-in bracket.
5. Remove driver from mounting bracket and replace with new driver.
6. Re-install driver/mounting bracket
7. Reconnect power wires.
8. Reconnect fixture into place.
9. Turn on fixture and make sure all connections are secure.
Installation Instructions
NHIOICDCP-16
1” Iolite CCEA Chicago Plenum New Construction Housing

ELECTRICAL CONNECTIONS:

1. Connect ½ inch trade size steel conduit to junction box with appropriate fitting. If using Romex-type shielded wiring, use rectangular pry-out strain reliefs located on upper corners of junction box.

2. Connect wires accordingly:
   - Black (120/277V) = Supply Voltage
   - White = Neutral
   - Green or Copper Wire = Grounding Junction Box Wire

0-10V Wiring:
   - Purple = Dim (+)
   - Pink or Grey = Dim (-)

(Maximum of 8 no. 12 AWG through branch circuit conductors suitable for at least 90°C permitted in junction box. AC ONLY)

NOTE ON GROUNDING: Many structures carry grounding via steel conduit. If this is the case, if there is no grounding wire, simply leave green wire on fixture unattached. Fixture will be grounded through attachment of conduit to junction box. However, if Romex or PVC conduit is used, ground wire will always be present, and must be connected to green wire on fixture junction box to avoid electrical shock hazard.

120/277V CONNECTION:

- White = Neutral
- Black = Live
- Green = Ground

0-10V DIMMING CONNECTION:

- Purple = Dim (+)
- Pink or Grey = Dim (-)

* cap off 0-10V wires if dimming wires are not used *

WIRING DIAGRAM (0-10V DIMMING)

Diagram:

- LE4: Triac, ELV or 0-10V
- 120/277V:
  - White (Neutral)
  - Black (Live)
  - Green (Ground)
- 0-10V Dimming:
  - Purple (Dim +)
  - Pink or Grey (Dim -)

Diagram:

- 120/277V:
  - White (Neutral)
  - Black (Live)
  - Green (Ground)
- 0-10V Dimming:
  - Purple (Dim +)
  - Pink or Grey (Dim -)

Diagram:

- LE4:
  - Red (+)
  - Black (-)
  - LED
- Wiring:
  - Purple (Dim +)
  - Pink or Grey (Dim -)
  - Black (Neutral)
  - White (Ground)
  - Black (Neutral)
  - Red (Supply Voltage)