

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS!  
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION**

## IMPORTANT SAFETY INSTRUCTIONS

### ⚠ WARNING

**To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts, and other hazards:**

- Service of the equipment must be performed by qualified service personnel.
- Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
- Read this document before installing, servicing, or maintaining this equipment or installing a lamp. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or if you do not understand these instructions or additional information is required, contact [Peerless Lighting](#) or your local [Peerless Lighting](#) Distributor.
- Read and follow all warnings and instructions provided by the lamp manufacturer.

### ⚠ WARNING

**Before installing, servicing, or maintaining this equipment, follow these general precautions.**

**To reduce the risk of electrocution:**

- Make sure the equipment is properly grounded.
- Always de-energize the circuit and/or equipment before connecting to, disconnecting from, or servicing the equipment.

**To prevent fixture row from over-current:**

- By adding the input current of each fixture section marked on the fixture, the total current per power feed must not exceed the maximum line wire amperage marked on the fixture and the power feed cord/wire amperage rating whichever the least.

**To reduce the risk of fire:**

- Keep material away that can burn from hot lamp.
- Make sure lamps are correctly installed.
- Use supply conductors with a minimum installation temperature rating as specified on equipment.

**To reduce the risk of personal injury from cuts, abrasions, or falling parts:**

- Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
- Do not use abrasive materials, glass cleaners or other solvents on reflector or lens. These substances may damage equipment and cause parts to eventually break and fall.
- Do not install a damaged fixture.

**⚠ CAUTION:** Observe lamp manufacturer's recommendations and restrictions on lamp operation, including but not limited to ballast type, burning position, replacement and cycling. Use only lamps that comply with applicable ANSI standards.

**NOTICE:** If lamp is marked  it contains mercury. Follow disposal laws. See [www.lamprecycle.org](http://www.lamprecycle.org)

[Peerless Lighting](#), a division of [Acuity Brands Lighting, Inc.](#), assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

## SAVE THESE INSTRUCTIONS

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Part Number: [PIN004100](#)  
Revision: B  
Effectivity Date: 3/3/2008

INSTALLATION INSTRUCTION

Rev. A 04/09 ECO 3539

These installation instructions are used for installing the following fixtures and kits:

Fixture	End-cap Kit	Configuration Kit	VDR Kit
IAM8 IRM8 ICM8	IAM8EP IRM8EP ICM8EP	IAM8 IRM8 ICM8 CNR/CNRT/CNRX/TNN	IAM8VDR IRM8VDR ICM8VDR

**WARNING: PLEASE READ THE "IMPORTANT SAFETY INSTRUCTIONS" PRIOR TO INSTALLATION OF THIS PRODUCT**

A) Cable Mounting Fixture Run Installation----- page 1-2  
 B) Stem Mounting Fixture Run Installation----- page 3-4  
 C) OTM Cable Mounting Fixture Run Installation ----- page 4-5  
 D) OTM Stem Mounting Fixture Run Installation ----- page 6-7  
 E) Fixture with VDR (Variable Distribution Reflector) Installation ----- page 7-8  
 F) Mounting Kit Accessories ----- page 8

A) Cable Mounting Fixture Run Installation

**TNN (OPTIONAL)**

**CNRX (OPTIONAL)**

**CNRT (OPTIONAL)**

**CNR (OPTIONAL)**

**SAMPLE CONFIGURATION**

**Adjustable Cable Option**

- Attach adjustable cable gripper (ACG) to fixture and tighten securely.
- Insert cable into ACG while supporting the weight of fixture.
- Press down here while adjust the cable length.
- Loosen screw, then insert cable ferrule. Tighten screw.

1" MIN 3" MAX

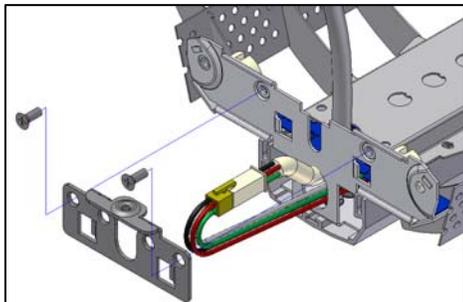
APPROX 1/2"

**IMPORTANT**

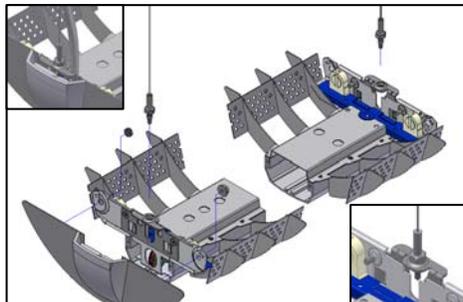
Do NOT insert cable into ACG prior to ACG being attached to fixture. Twisting the cable could cause gripper to become loose.

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**ICETRAY® INDIRECT/DIRECT**  
 INSTALLATION INSTRUCTION

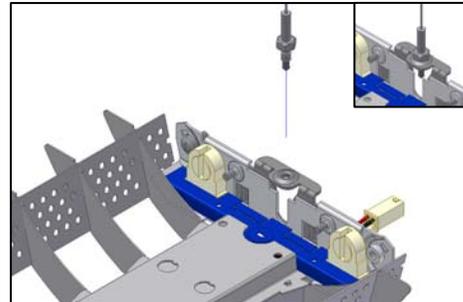
Rev. A 04/09 ECO 3539



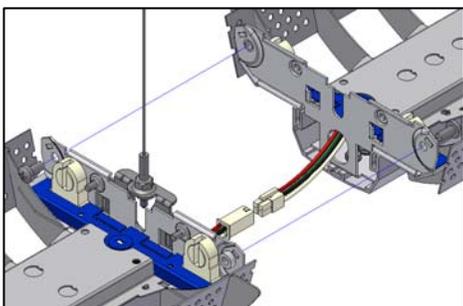
1. Insert power cord & bushing through feed hole on the first fixture at the male connector end. Plug in wire connector & push wires back into the fixture. Hook cable hanger onto fixture joiner. Use two flat head screws to secure the hanger to the fixture.



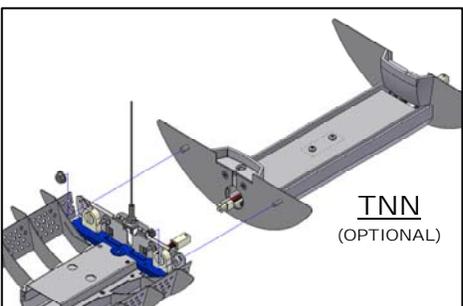
2. Attach end-cap to fixture through joiner and secure with two hex nuts, or screws with sculptured end-caps. Screw cable studs into hanger on each end of first fixture. Raise fixture into position. Level fixture by adjusting cable stud.



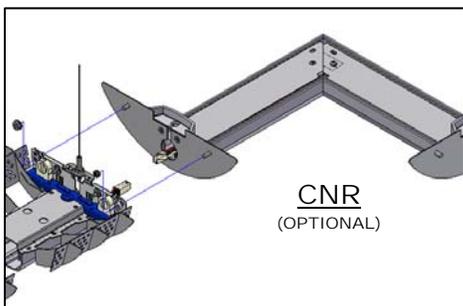
3. Screw cable stud to second fixture at the end with female connector.



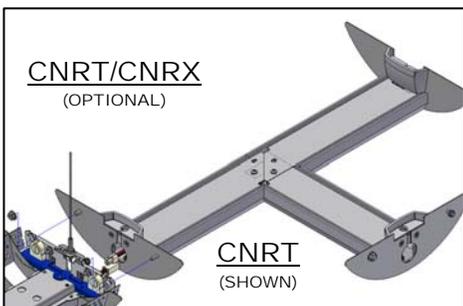
4. Raise the fixture into position and connect wire connectors. Bolt fixture together. Be sure to align and level the fixture.



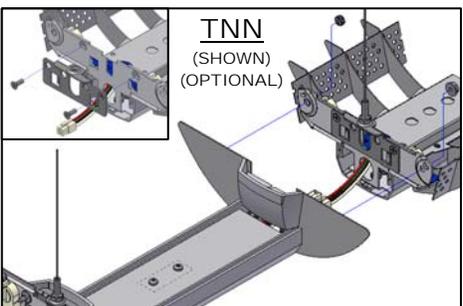
5A. **OPTIONAL:** Locate male connector on TNN, plug wire connectors. Guide studs on TNN through fixture, secure with hex nuts, or screws with sculptured end-caps.



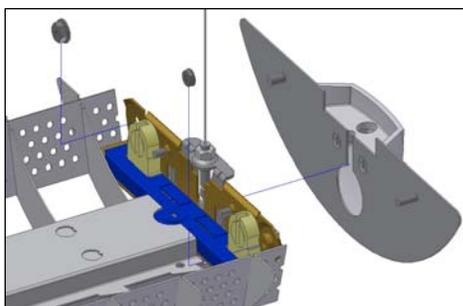
5B. **OPTIONAL:** Locate male connector on CNR, plug wire connectors. Guide studs on CNR through fixture, secure with hex nuts, or screws with sculptured end-caps. To connect next fixture, repeat STEP 6 for CNR.



5C. **OPTIONAL:** Locate male connector on CNRT, plug wire connectors. Guide studs on CNRT through fixture, secure with hex nuts, or screws with sculptured end-caps. To connect next fixture, repeat STEP 6 for CNRT or CNRX.



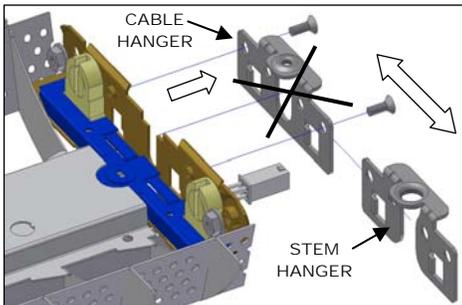
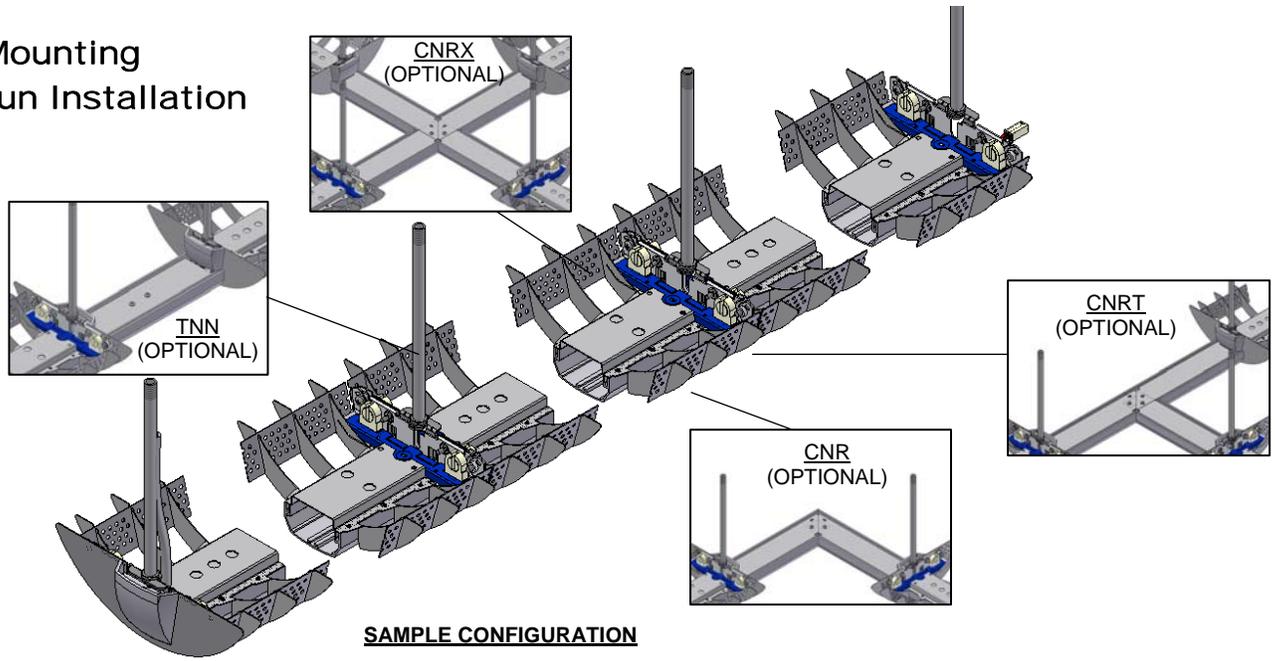
6. **OPTIONAL:** Install hanger to next fixture and screw cable stud to fixture. Plug wire connectors. Guide studs on TNN through fixture, secure with hex nuts, or screws with sculptured end-caps.



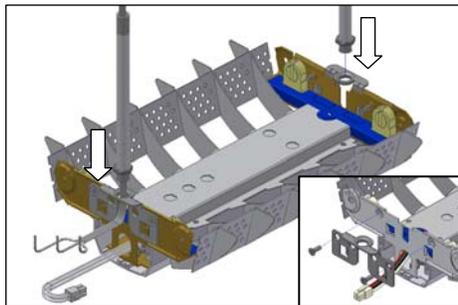
7. Repeat STEPS 3 through 6 until last fixture in row is hung. Tighten lock nuts on fixed cable stud. Install end-cap assembly to last fixture, secure with hex nuts, or screws with sculptured end-caps.

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 Rev. A 04/09 ECO 3539

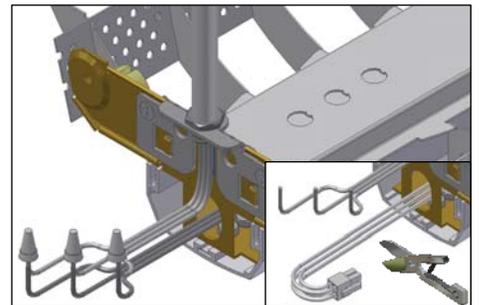
**B) Stem Mounting  
 Fixture Run Installation**



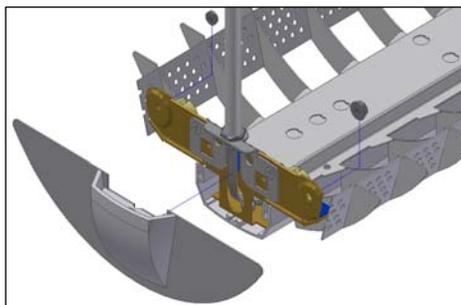
1. Remove and discard cable hanger(s) on fixture(s) at the female wire connector end. Replace with stem hanger in stem mounting kits. Discard cable hanger in end-cap kit as well.



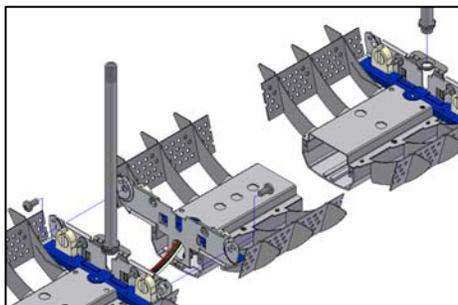
2. Install stem hanger on other end of first fixture, screw stems into hangers on each end of first fixture. Be sure to use stem with internal wires at the male wire connector end for power feed.



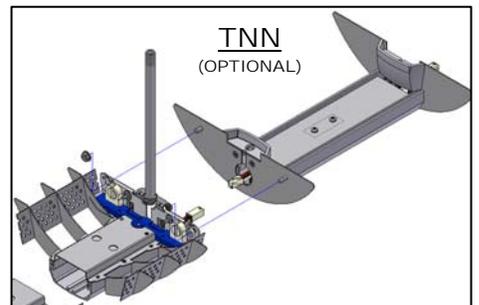
3. Cut off male wire connector from fixture at the feed location. Connect stem and fixture wires with wire nuts. Cap unused wires with wire nut where applicable. Insert wires into fixture.



4. Install end-cap to fixture through two holes on the joiner and secure with two hex nuts, or screws with sculptured end-caps. Raise fixture into position. Level the fixture by adjusting the stem at the ceiling (Refer to mounting instructions).



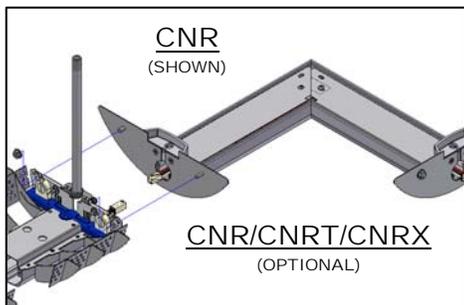
5. Screw stem to second fixture at the end with female wire connector. Plug wire connectors and bolt fixtures together. Be sure to align and level the fixtures.



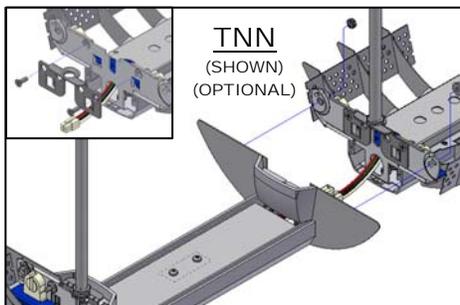
6A. **OPTIONAL:** Locate male connector on TNN, plug wire connectors. Guide studs on TNN through fixture, secure with hex nuts, or screws with sculptured end-caps.

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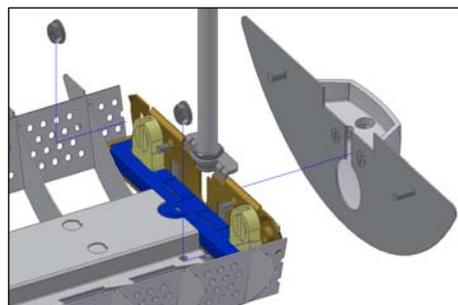
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6B. **OPTIONAL:** Locate male connector on CNR, plug wire connectors. Guide studs on CNR through fixture, secure with hex nuts, or screws with sculptured end-caps. To connect next fixture, repeat STEP 7 for CNR, CNRT or CNRX.

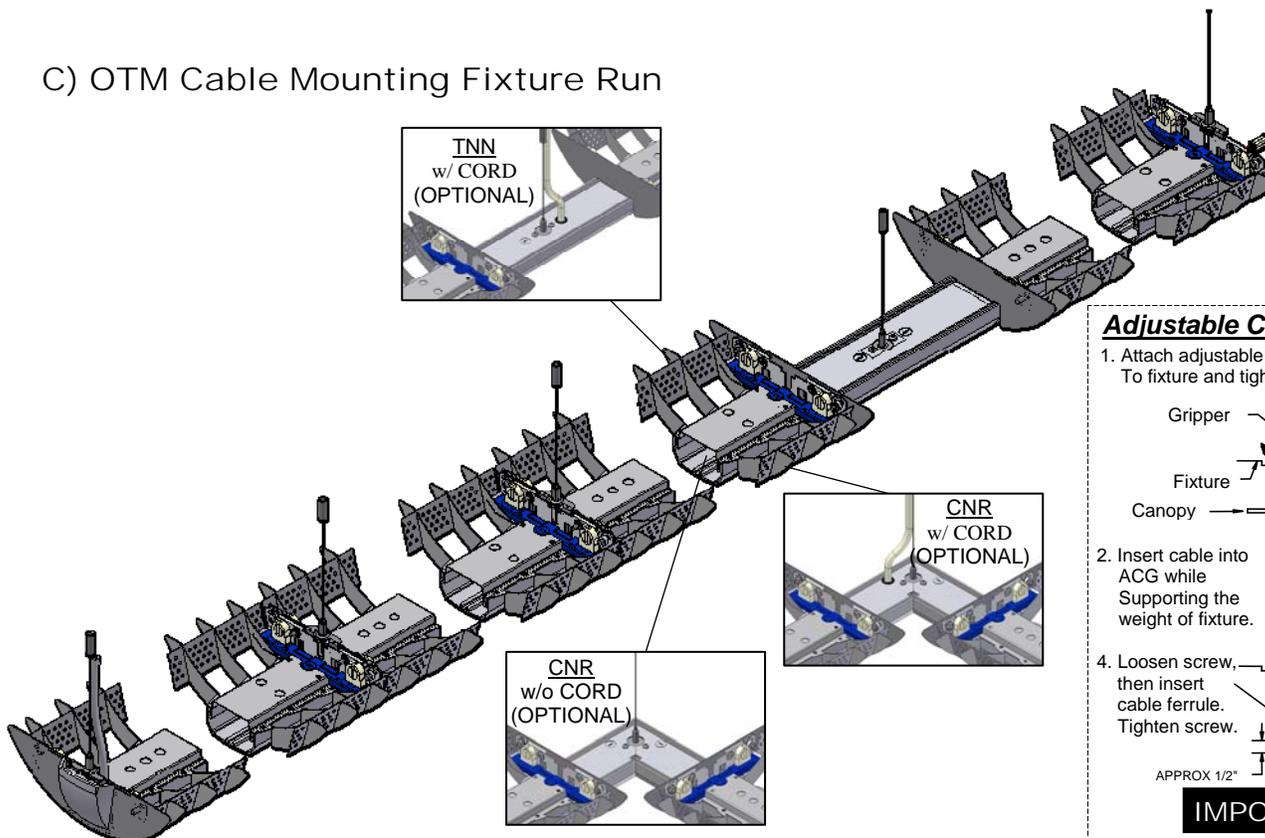


7. **OPTIONAL:** Install hanger to next fixture and screw stem to fixture. Plug wire connectors. Guide studs on TNN through fixture, secure with hex nuts, or screws with sculptured end-caps.



8. Repeat STEPS 5 through 8 until last fixture in row is hung. Tighten hex nuts on all stems to secure fixture. Install end-cap to last fixture, secure with hex nuts, or screws with sculptured end-caps.

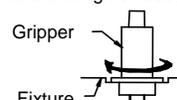
C) OTM Cable Mounting Fixture Run



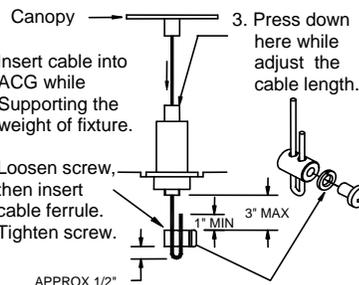
**SAMPLE CONFIGURATION**

**Adjustable Cable Installation**

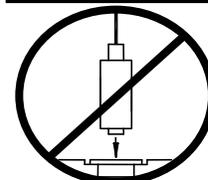
1. Attach adjustable cable gripper (ACG) to fixture and tighten securely.



2. Insert cable into ACG while supporting the weight of fixture.



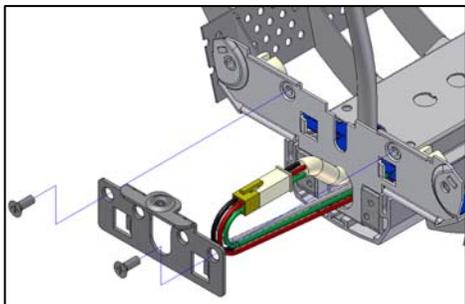
**IMPORTANT**



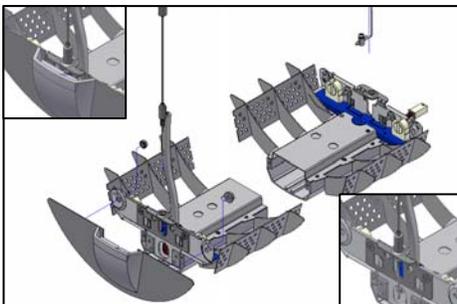
Do NOT insert cable into ACG prior to ACG being attached to fixture. Twisting the cable could cause gripper to become loose.

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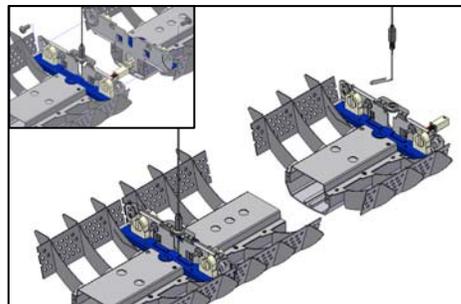
Rev. A 04/09 ECO 3539



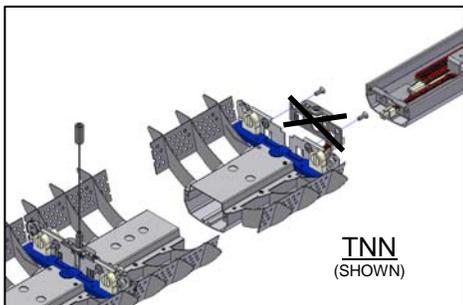
1. Insert power cord & bushing through feed hole on the first fixture at the male connector end. Plug in wire connector & push wires back into the fixture. Hook cable hanger onto fixture joiner. Use two flat head screws to secure the hanger to the joiner.



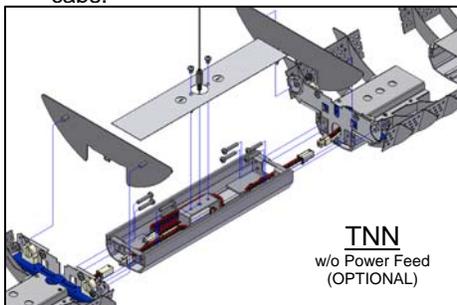
2. Refer to "Adjustable Cable Installation" (applies to the installation of all cable gripper sets thereafter), install cable gripper set into hanger on each end of first fixture. Attach end-cap to fixture through two holes on joiner and secure with two hex nuts, or screws with sculptured end-caps.



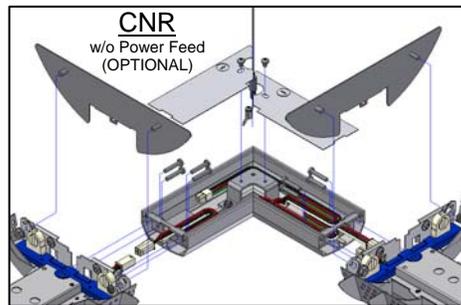
3. Install cable gripper set to second fixture at the end with female connector. Raise the fixture into position and connect wire connectors. Bolt fixtures together. Be sure to align and level the fixture.



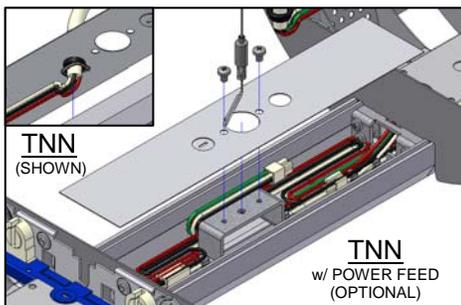
4. Remove and discard hanger from the fixture where the fixture joins to TNN or CNR.



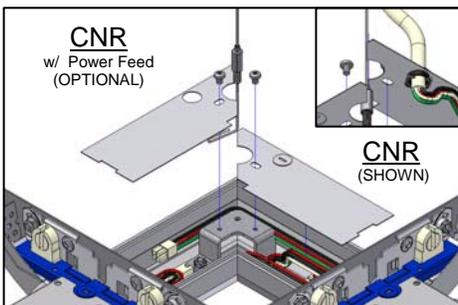
5A. **OPTIONAL:** Remove TNN cover. Connect wires. Join TNN to fixtures with eight #10x1" screws. Install cable gripper set into hanger on TNN and return TNN cover. Guide end-plate studs through fixture and secure with hex nuts, or screws with sculptured end-caps.



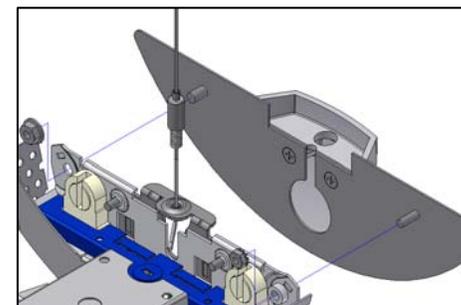
5B. **OPTIONAL:** Remove CNR cover. Connect wires. Join CNR to fixtures with eight #10x1" screws. Install cable gripper set into CNR hanger and return CNR cover. Guide end-plate studs through fixture and secure with hex nuts, or screws with sculptured end-caps.



5C. **OPTIONAL:** Remove TNN cover. Insert bushing and power feed cord through knock-out hole of TNN cover. Plug male connector to the cord. Repeat steps in STEP 5A for joining with fixtures and install the end-plates.



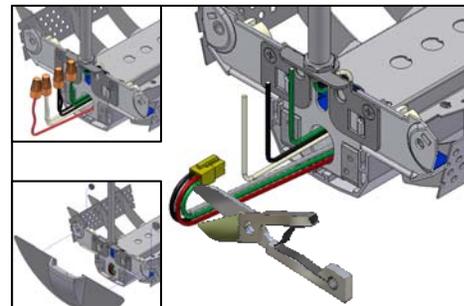
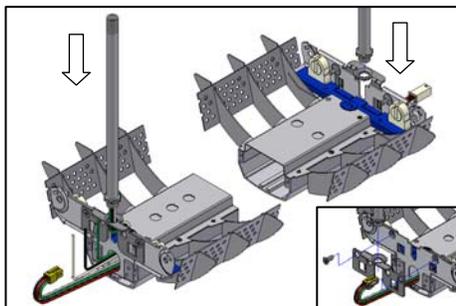
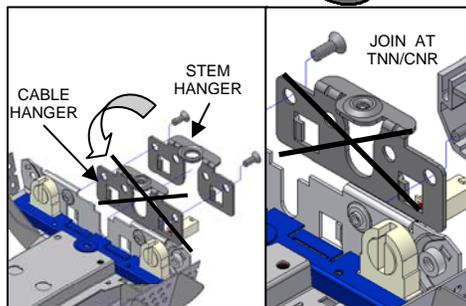
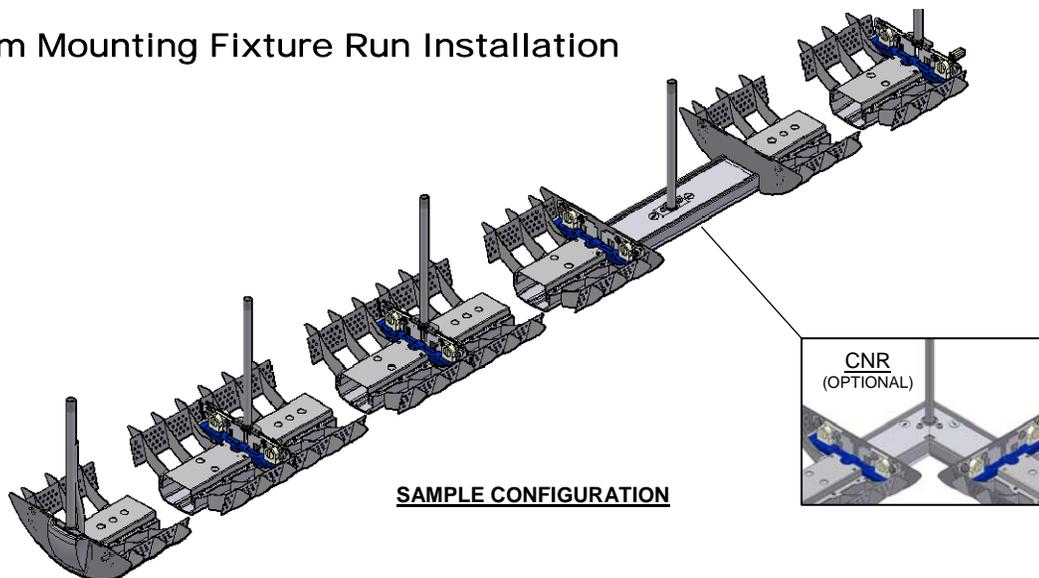
5D. **OPTIONAL:** Remove CNR cover. Insert bushing and power feed cord through knock-out hole of CNR cover. Plug male connector to the cord. Repeat steps in STEP 5B for joining with fixtures and install the end-plates.



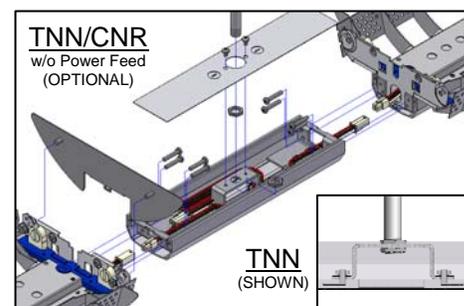
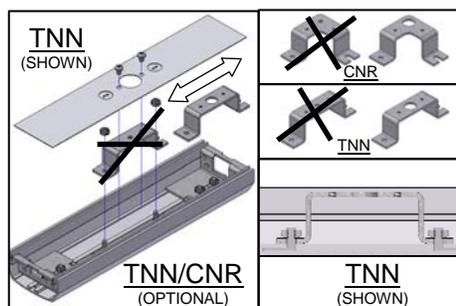
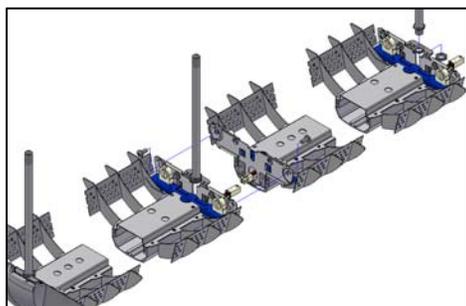
6. Repeat STEPS 1 through 5 until last fixture in row is hung. Install cable gripper set into hanger. Attach end-cap to fixture through two holes on joiner and secure with two hex nuts, or screws with sculptured end-caps.

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 Rev. A 04/09 ECO 3539

**D) OTM Stem Mounting Fixture Run Installation**



1. Remove and discard cable hanger(s) on fixture(s) at the female wire connector end. Replace with stem hanger in stem mounting kits except at joint with TNN or CNR. Remove and discard hanger(s) from the fixture(s) where the fixture joins to TNN or CNR.
2. Install stem hanger on other end of first fixture, screw stems into hangers on each end of first fixture. Be sure to use stem with internal wires at the male wire connector end for power feed if applicable.
3. Cut male wire connector from fixture at the feed location. Connect stem and fixture wires with wire nuts. Insert wires into fixture and cap unused wires with wire nut if applicable. Guide end-plate studs through fixture and secure with hex nuts, or screws with sculptured end-caps.

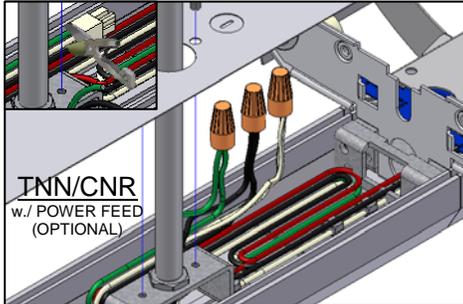


4. Screw stem to second fixture at the end with female wire connector, Raise fixtures into position. Plug wire connectors and bolt fixtures together. Be sure to align and level the fixture by adjusting the stem at the ceiling (Refer to mounting instruction).
5. **OPTIONAL:** Remove TNN cover. Discard cable-mount bracket by removing hex nuts and replace with stem-mount bracket. Repeat similar steps for replacing mounting bracket for CNR.
- 6A. **OPTIONAL:** Connect wires. Join TNN to fixtures with eight #10x1" screws. Insert stem into bracket and secure with nuts. Return TNN cover. Guide end-plate studs through fixture and secure with hex nuts, or screws with scurptured end-caps. Repeat similar steps for CNR(w/o power feed) installation.

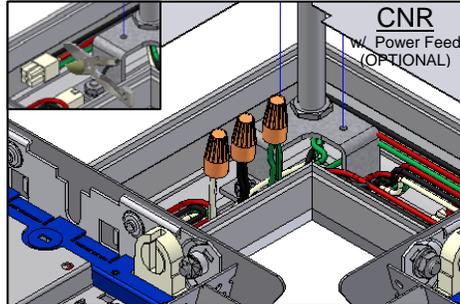
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## INSTALLATION INSTRUCTION

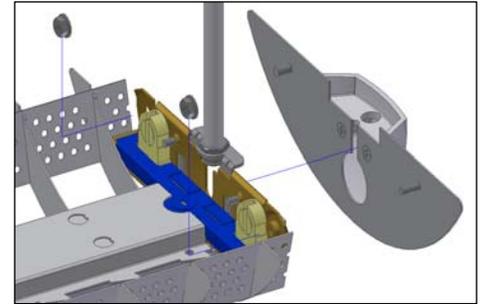
Rev. A 04/09 ECO 3539



6B. **OPTIONAL:** Cut male wire connector from TNN wire harness. Connect stem and fixture wires with wire nuts. Cap unused wires with wire nut if applicable. Repeat steps in STEP 6A for joining with fixtures and install the end-plate.



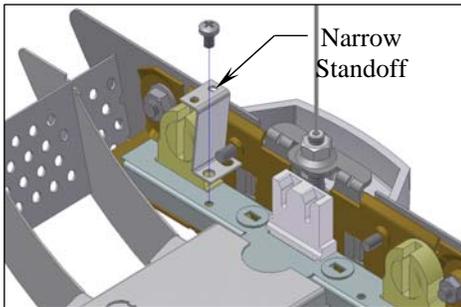
6C. **OPTIONAL:** Cut male wire connector from CNR wire harness. Connect stem and fixture wires with wire nuts. Cap unused wires with wire nut if applicable. Repeat steps in STEP 6A for joining with fixtures and install the end-plate.



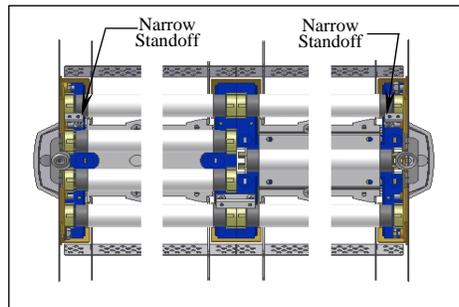
7. Repeat STEP 1 through STEP 6 until last fixture in row is hung. Tighten hex nuts on all stems to secure fixture. Install end-cap to last fixture. Discard unused hangers.

### E) Fixture with VDR (Variable Distribution Reflector) Installation

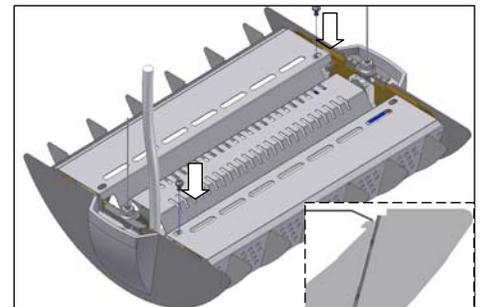
#### E1. Option for 3 or 4 light T8 30/70, 5/95 distribution



1. Remove lamps where necessary. Screw down a narrow standoff on socket-holder with tapped holes up. For 4ft fixture, install the other narrow standoff on diagonal side.

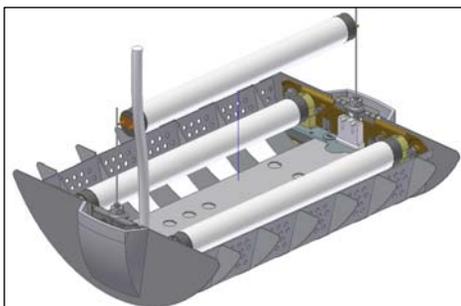


2. At the middle of an 8ft or 12ft fixture, screw down the wide standoff(s) diagonally. Then screw down a narrow standoff on the socket-holder at the other end of the fixture.

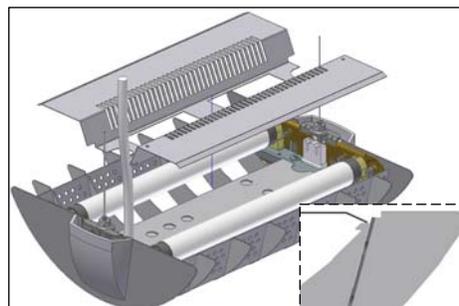


3. Re-install lamps. Place reflector on the standoffs and secure with screws. Be sure to let the reflector's edges rest on the inside of the baffle blades (detail shown.)

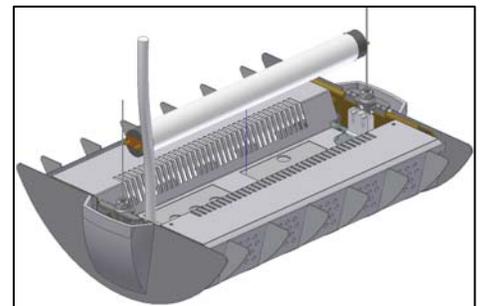
#### E2. Option for all 2 light T8/T5 distribution and 3 or 4 light T8 50/50 distribution



1. Remove the center lamp(s) if applicable.



2. Place reflector on the fixture. Be sure to let the reflector's edges rest on the inside of the baffle blades (detail shown.)



3. Re-install the center lamp(s) if applicable.

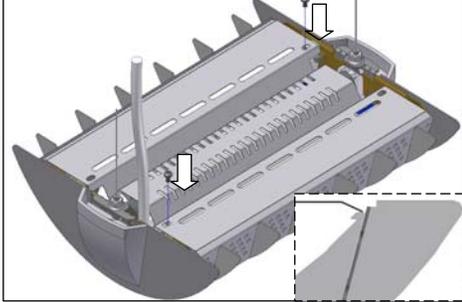
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## INSTALLATION INSTRUCTION

Rev. A 04/09 ECO 3539

### E3. Option for 3 or 4 light T5 40/60, 5/95 distribution



1. Diagonally screw reflector to the socket holders. Be sure to let the reflector's edges rest on the inside of the baffle blades (detail shown.)

### F) Mounting Kit Accessories

Used On	Mounting Kit Name (Accessories)	
	Fixed Cable or Rigid Stem	Adjustable cable
Support location at normal power feed	IAM8FK IRM8FK ICM8FK	ACGFKMTY
Support location at emergency power feed	IAM8EK IRM8EK ICM8EK	ACGEKMTY
Support location without power feed	IAM8SK IRM8SK ICM8SK	ACGSKMTY

# PEERLESS®

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