

Neo-Ray IL52461024ML Define Geo Ring Suspended Installation Guide

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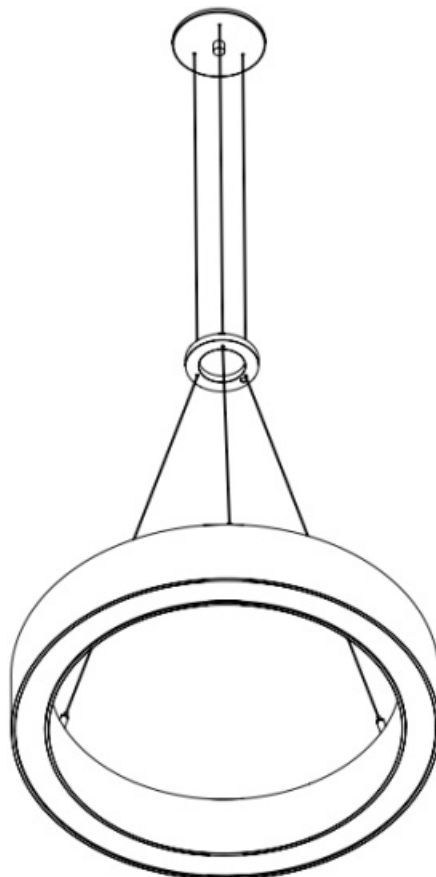
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NeoRay

IL52461024ML

Installation Instructions – Define Geo – Ring Suspended with Collector





WARNING



Risk of Fire, Electrical Shock, Cuts or other Casualty Hazards- Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.



Risk of Fire and Electric Shock- Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.



Risk of Fire- Minimum 90°C supply conductors.

Risk of Burn- Disconnect power and allow fixture to cool before handling or servicing.

Risk of Personal Injury- Due to sharp edges, handle with care.



Risk of Personal Injury- Do not install this product in locations such as gymnasiums, arenas, sports complexes, multi-purpose rooms and other locations where the fixture potentially will be subject to impacts from external sources. Doing so may result in cracking and/or breaking of the fixture which may cause pieces to fall from the application.



Failure to comply with these instructions may result in death, serious bodily injury and/or property damage.

DISCLAIMER OF LIABILITY: Cooper Lighting Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

IMPORTANT: Read carefully before installing fixture. Retain for future reference.

CAUTION: Fixture may become damaged and/or unstable if not installed properly.

Note: Specifications and dimensions subject to change without notice.

Note: These instructions do not claim to cover all details or variations in the equipment, procedure or process described, nor to provide directions for every possible contingency during installation, operation, or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for user purpose, please contact your nearest representative.

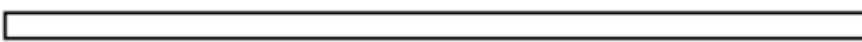
ATTENTION Receiving Department: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

Wiring Table

Power Supply (Input)



Black (BK) – Hot



White (WT) – Neutral



Green (GN) – Ground










Violet (VT) – Dimming (+)



Pink (PK) – Dimming (-)

Power Supply (Input) – When Applicable

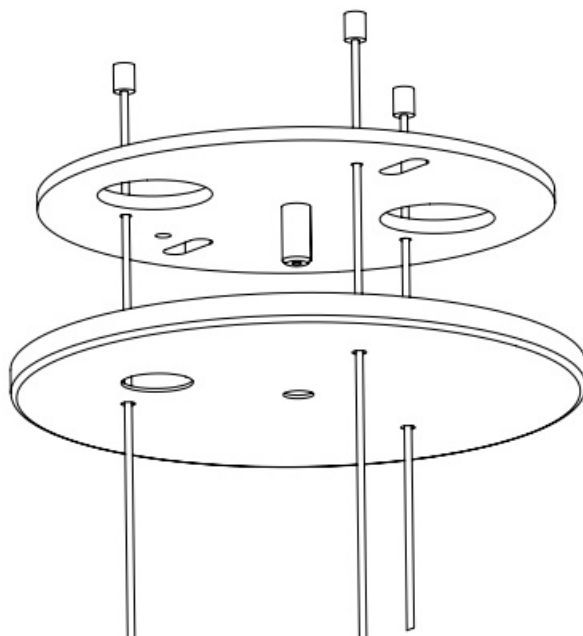
	Black/Red (BK/RD) – Emergency Hot
	White/Red (WT/RD) – Emergency
Neutral	
	Black/Orange (BK/OR) – 2nd Circuit
Hot	
	White/Orange (WT/OR) – 2nd Circuit
Neutral	
	Orange (OR) – 2nd Circuit Dimming (+)
	Yellow (YL) – 2nd Circuit Dimming (-)
	Blue (BL) – Battery/Emergency
Unswitched Hot	

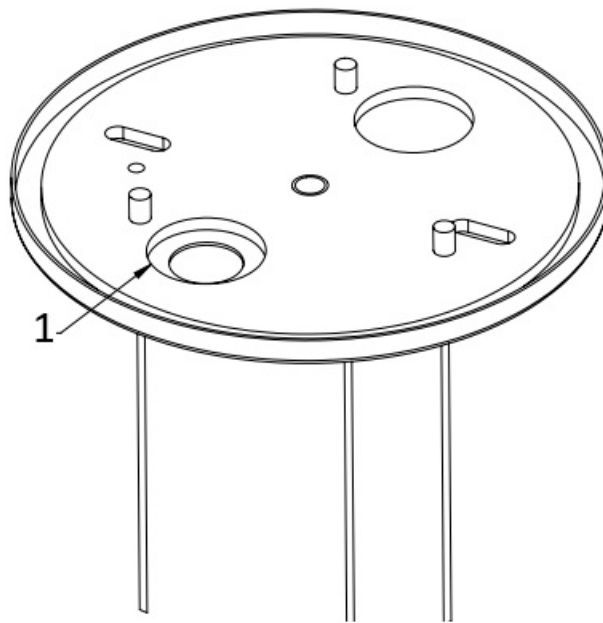
(1) Mounting Options

A) T-Bar & Grid Clips or B) Junction Box Structure or C) Junction Box Ceiling

A) T-Bar & Grid Clips – On Grid Mounting

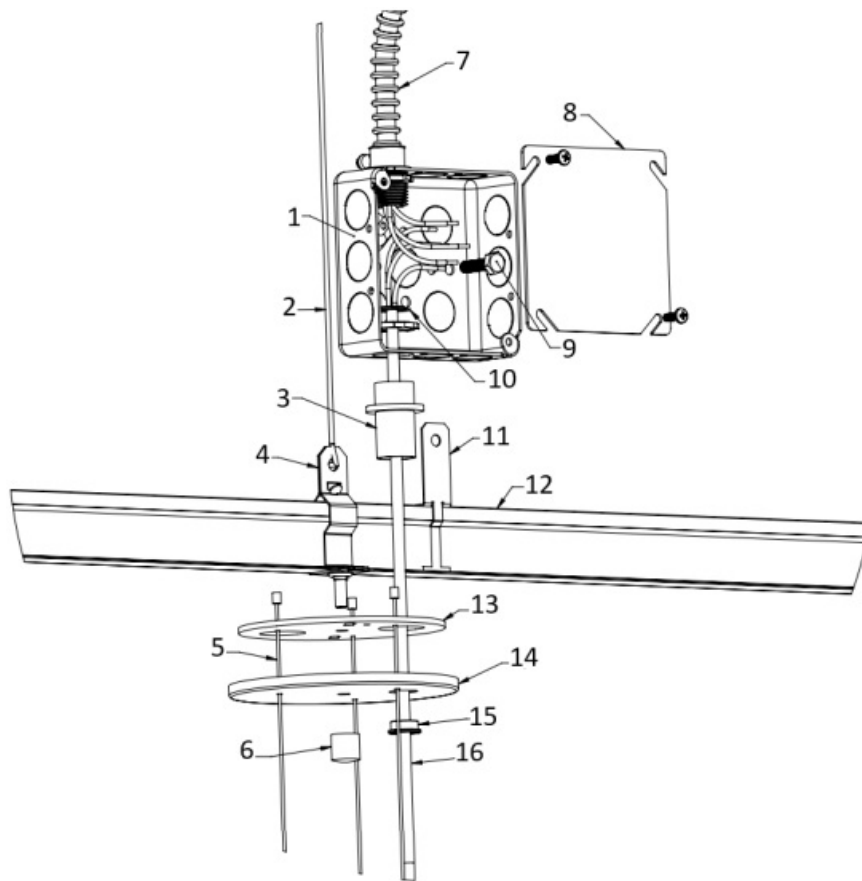
- Installation requires a 2-person lift and install
- Locate the mounting point on the T-Bar.
- Pull the three AC cables through the 3 holes on the T-Grid Mounting Plate and Canopy.
- Ensure fixture labels are facing down toward the fixture when installing the mounting plate.



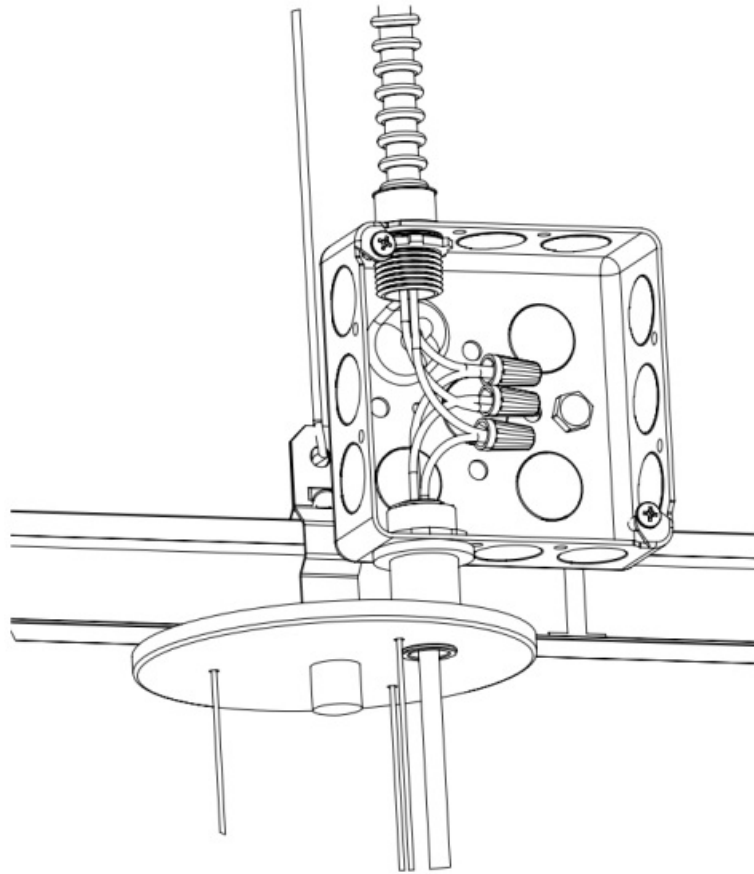


1. Power Drop Holes Aligned

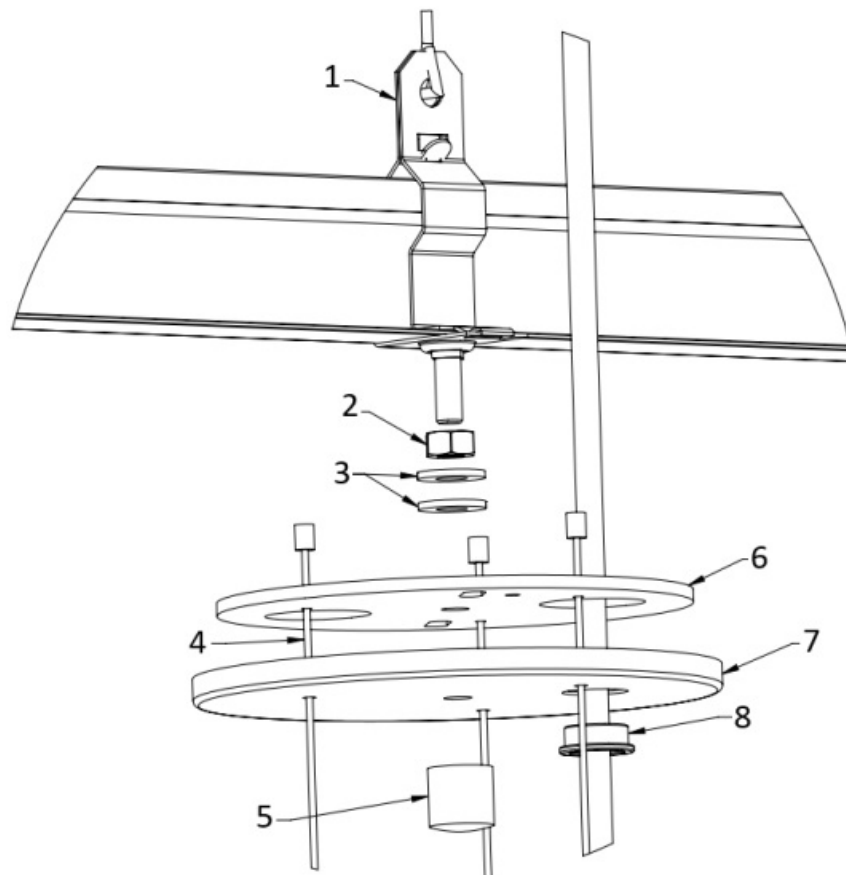
- Install the T-Grid clip to the T-Bar and tie back to structure.
- Attach T-Grid Mounting Plate and Canopy to the T-Grid clip using the 1/4"-20 center cap nut.
- At the end of a 4x4 Junction Box, break KO in corner and secure 1/2" NPT fitting to the box.
- Clip J-Box clip to the T-Bar.
- Secure Junction Box to J-Box clip using 1/4-20 bolt.
- Secure snap bushing to Canopy and align up to NPT fitting.
- Install conduit from power source to the Junction Box.
- Feed SJT cord through Canopy and Junction Box, then install metal strain relief.
- Wire following the wiring chart and secure with appropriate wire nuts.
- Cover Junction Box using cover plate.



1. 4x4 Junction Box 1 1/2" Deep (By Others)
2. Tied Off to Structure (By Others)
3. 1/2" NPT Fitting
4. T-Grid Clip
5. AC Cable (Qty 3)
6. 1/4-20 Center Cap Nut
7. Conduit (By Others)
8. Cover Plate (By Others)
9. 1/4-20 Bolt
10. Metal Strain Relief
11. J-Box Clip
12. T-Bar
13. T-Grid Mounting Plate
14. 5" Canopy
15. Snap Bushing
16. SJT Cord



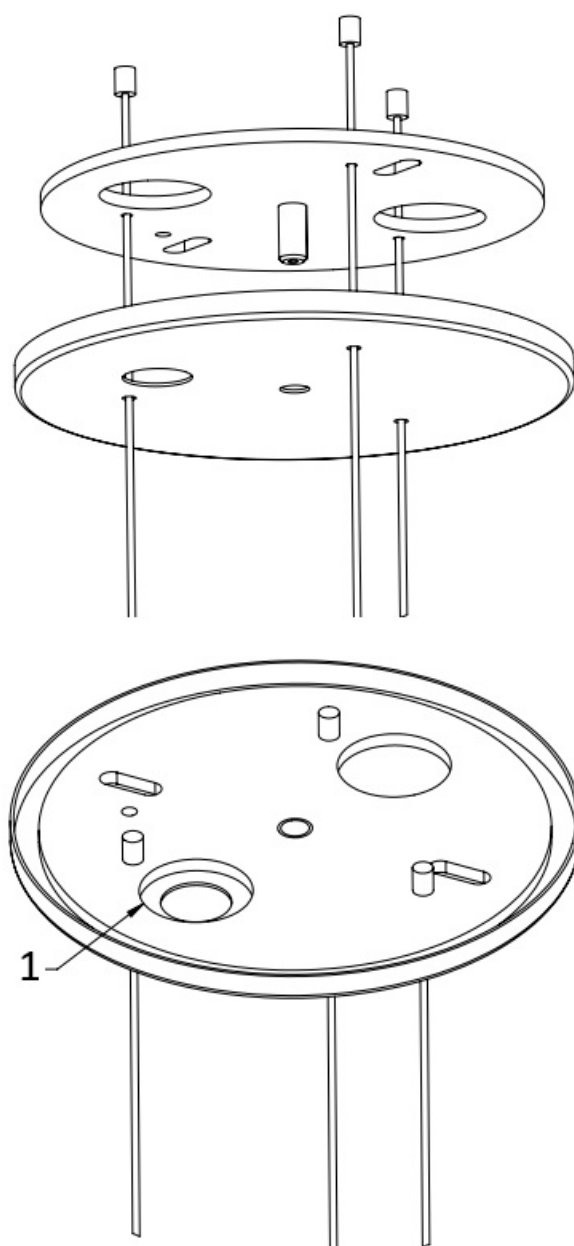
- For Tegular Ceiling Tile applications use (2) 1/4" washers (included) for spacing between the mounting plate and the ceiling tile.
- For Deep Tegular Ceiling Tile applications use 1/4"-20 nut (included) for spacing between the mounting plate and the ceiling tile.



1. T-Grid Clip
2. 1/4-20 Nut Used Only in Deep Tegular Ceiling
3. (2) 1/4 Washers Used Only in Tegular Ceiling
4. AC Cable (Qty 3)
5. 1/4-20 Center Cap Nut
6. T-Grid Mounting Plate
7. 5" Canopy
8. Snap Bushing

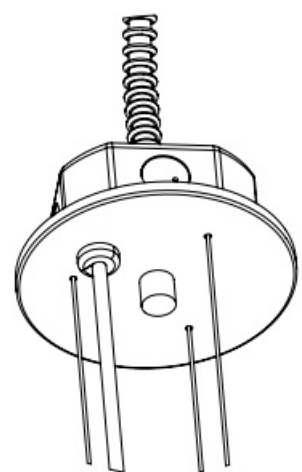
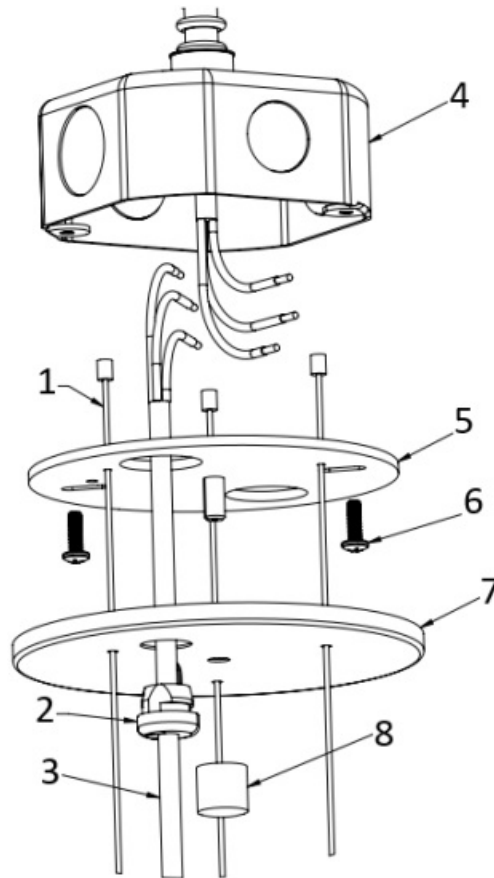
B) or C) Junction Box Structure or Junction Box Ceiling

- Secure a 4×4 Junction Box to the Structure or Ceiling using appropriate hardware.
- Pull the three AC cables through the 3 holes on the J-Box Mounting Plate and Canopy.



1. Power Drop Holes Aligned

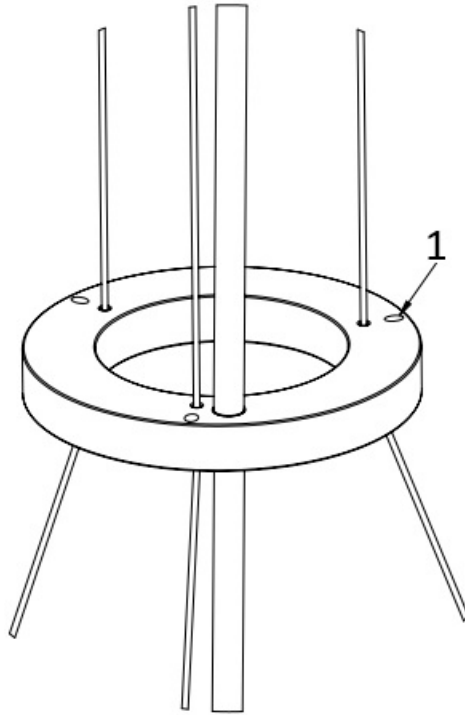
- Feed SJT cord through Canopy and J-Box Mounting Plate.
- Wire following the wiring chart and secure with appropriate wire nuts.
- Attach the J-Box Mounting Plate to the Junction Box.
- Secure the Canopy with the 1/4" -20 center cap nut and install strain relief bushing.



1. AC Cable (Qty 3)
2. Strain Relief
3. SJT Cord
4. 4" Octagonal J-Box (by Others) to Structure or Ceiling with Appropriate Hardware
5. J-Box Mounting Plate
6. 8-32 Screws (Qty 2)
7. 5" Canopy
8. 1/4-20 Center Cap Nut

(2) Install the Collector

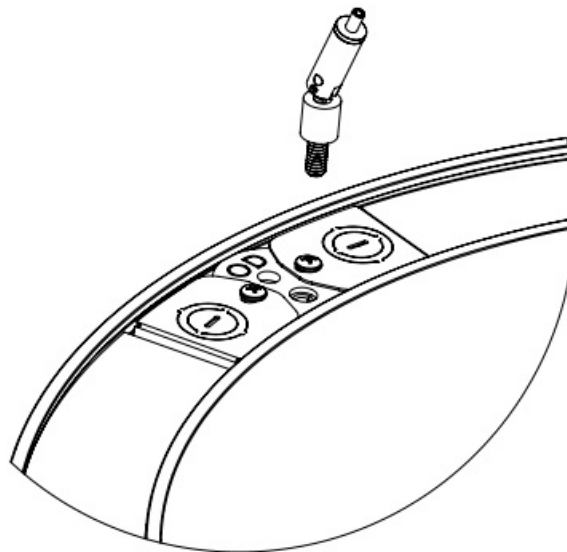
- Pull the AC cables and the SJT cord through the holes on the collector.
- Holes for the set screws are on the top side.

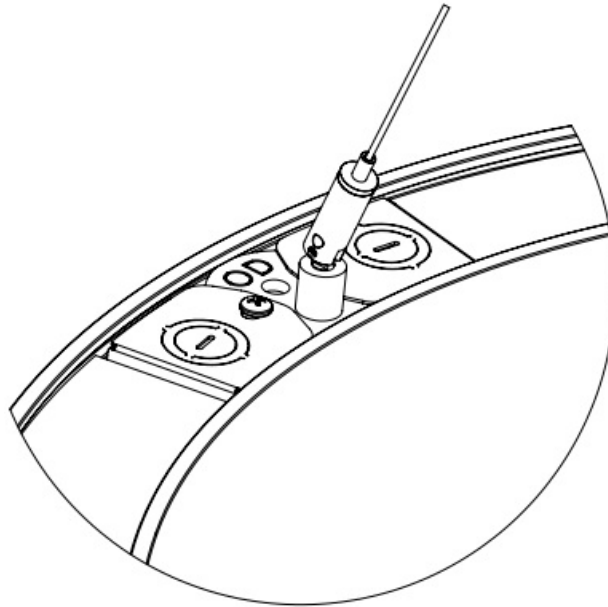
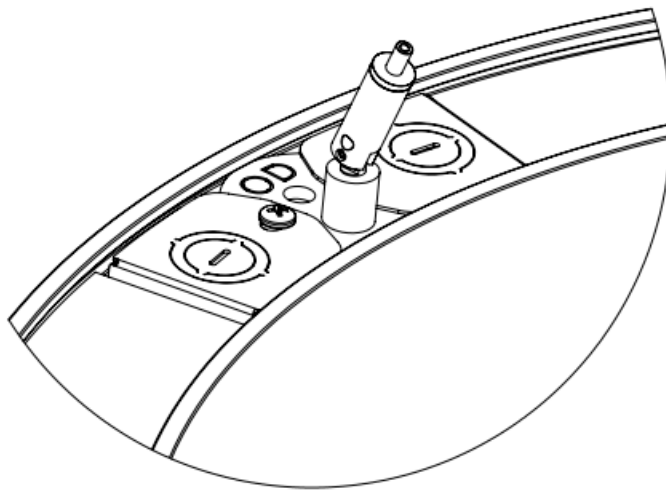


1. Set Screw Holes

(3) Install Aircraft Cable at Fixture

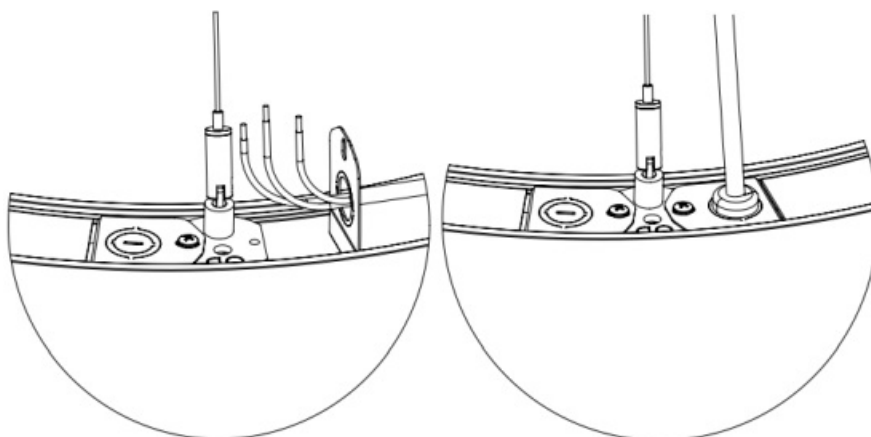
- Install the grip locks.
- Push aircraft cable through grip locks and adjust to desired height.





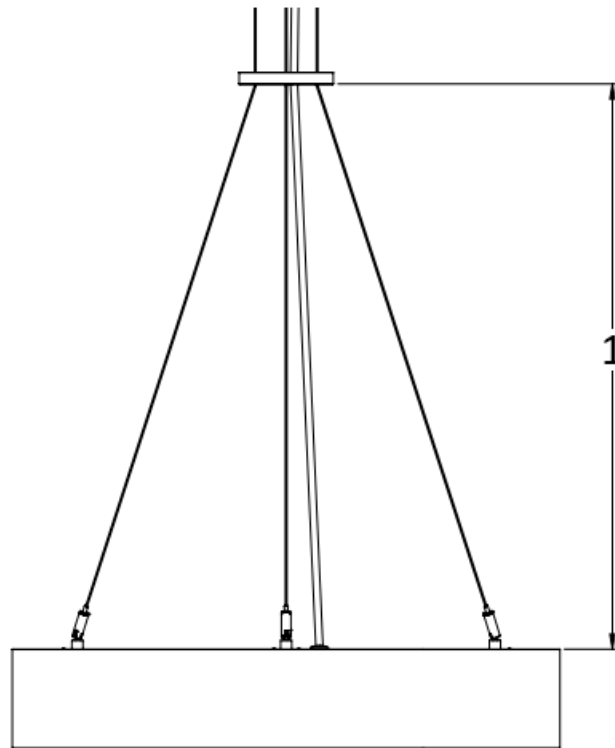
(4) Power Drop

- Wire fixture following the wiring chart shown on page 2 and secure with appropriate wire nuts.
- Remove screw and bend tab for additional clearance.
Bend to original position and re-attach screw.
- Install strain relief as shown.



(5) Set Collector Height

- Position collector to desired height. Minimum height as shown.



1. Minimum Height

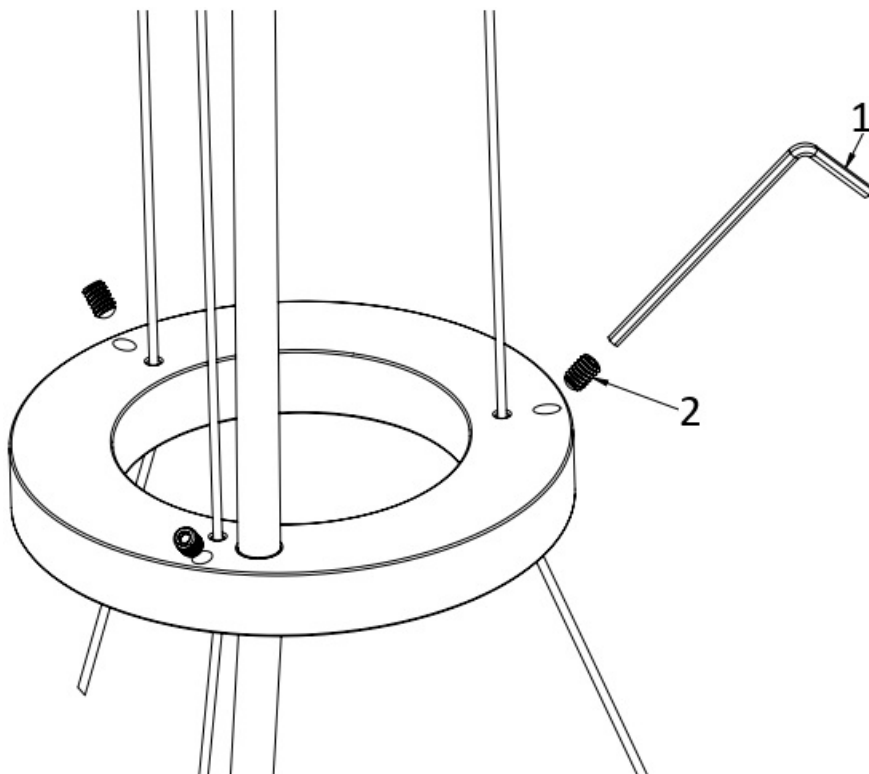
Above Fixture

2F0 = 16"

3F0 = 15"

4F0 = 36"

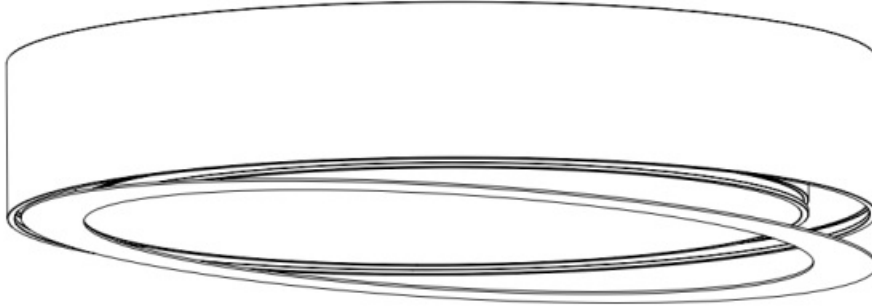
- Install the set screws (Qty 3) and tighten using a 5/64" Hex wrench.



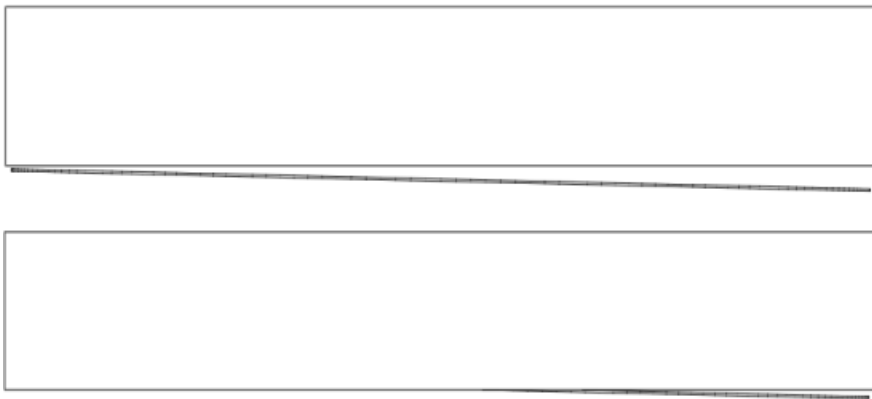
1. 5/64" Hex Wrench
2. Set Screw (Qty 3)

Install the Bottom Diffuser – If Needed

- Wear gloves to keep the diffuser surface clean.
- Peel off the protective film which is on the bottom side of the diffuser.
- Tilt the diffuser and insert into the outer groove.



- Insert the lens gradually (do not force), and follow a clockwise or counterclockwise direction around the fixture until the lens is positioned on both the outer and inner grooves.



Removal of Bottom Diffuser – If Needed

- To remove the bottom diffuser, use a business card to lift out the lens on one side.



1. BUSINESS CARD

- Remove the lens gradually (do not force), and follow a clockwise or counterclockwise direction around the fixture until the lens is out of both the outer and inner grooves.
- If the lens ceases to release from grooves, re-install and start over.

- Take your time and don't force it as the lens can chip the paint on the housing.

Cooper Lighting Solutions

Installation instructions

Warranties and Limitation of Liability

Please refer to www.cooperlighting.com/global/warranty for our terms and conditions.

FCC Statement

- This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Note: The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off an on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.



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Product availability, specifications, and compliances are subject to change without notice.

Documents / Resources

	<p>Neo-Ray IL52461024ML Define Geo Ring Suspended [pdf] Installation Guide IL52461024ML, IL52461024ML Define Geo Ring Suspended, IL52461024ML, Define Geo Ring Suspended, Geo Ring Suspended, Ring Suspended</p>
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References

- [Commercial Lighting Company | Cooper Lighting Solutions](#)
- [Warranty | Cooper Lighting Solutions](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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