

**NeoRay**  
**IL52458023E**  
**N Define**  
**Pivot Hub**



## NeoRay IL52458023EN Define Pivot Hub Instruction Manual

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**NeoRay**

NeoRay IL52458023EN Define Pivot Hub



## Installation Instructions

### 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 the hazards involved.

**Risk of Fire and Electric Shock**— Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at the 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**— Fixture not intended to be installed in a gymnasium or other space where impacts from objects can occur.

Failure to comply with these instructions may result in death, serious bodily injury, and 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 the fixture. Retain for future reference.

**NOTICE:** Green ground screw provided in the proper location. Do not relocate.

**NOTICE:** The fixture may become damaged and/or unstable if not installed properly.

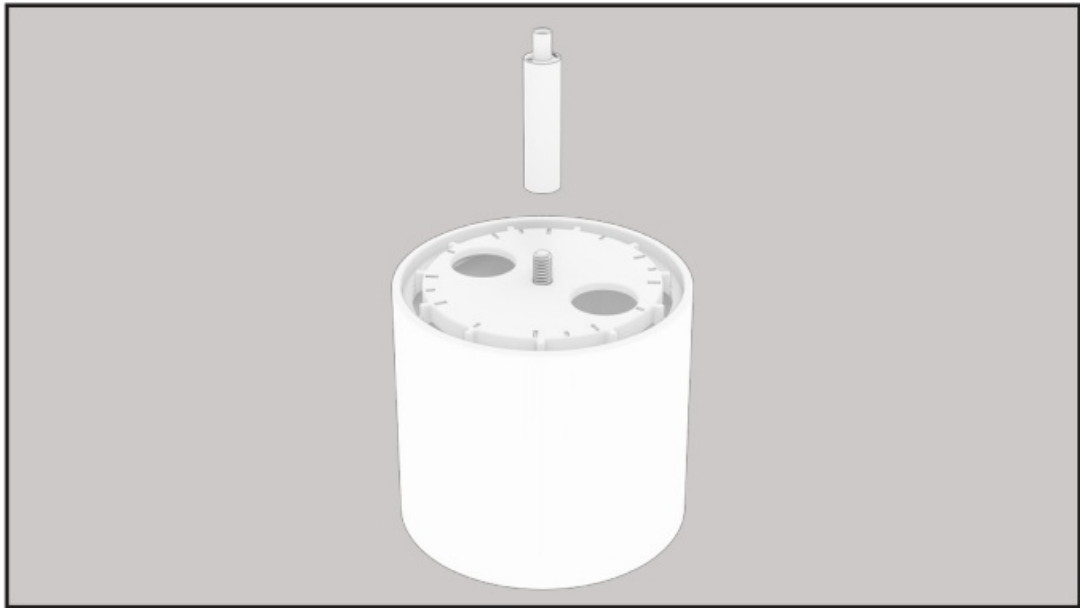
**Note:** Specifications and dimensions are subject to change without notice.

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

## Installation Instructions – Define Pivot Hub

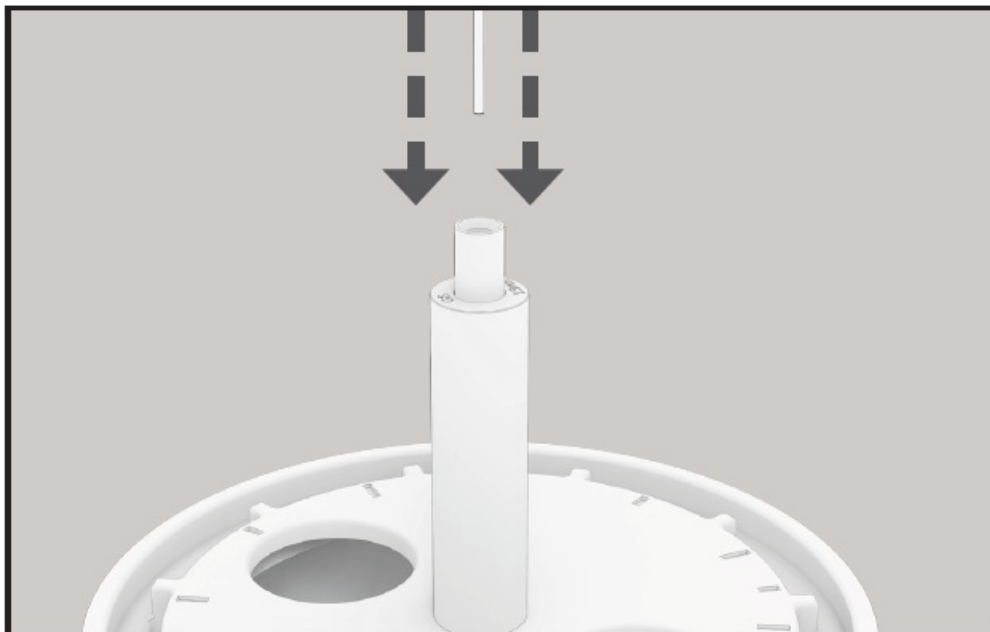
### 1. Cable Gripper Attachment

- The Hub must be mounted with the included heavy-duty, 3/32" aircraft cable and corresponding oversized gripper hardware. Failure to utilize the correct hardware may result in Pivot Hub failure. The Define Pivot hub must be mounted with the included heavy-duty, 3/32" aircraft cable, and corresponding oversize gripper hardware.



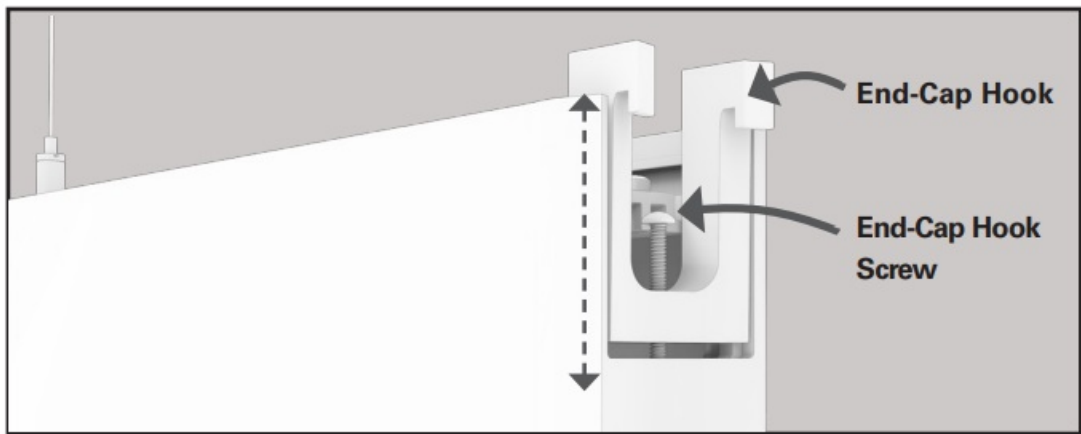
### 2. Insert Aircraft Cable

- Pull the aircraft cable through the cable gripper and adjust it to the desired height.



### 3. Define Fixture Attachment to Hub

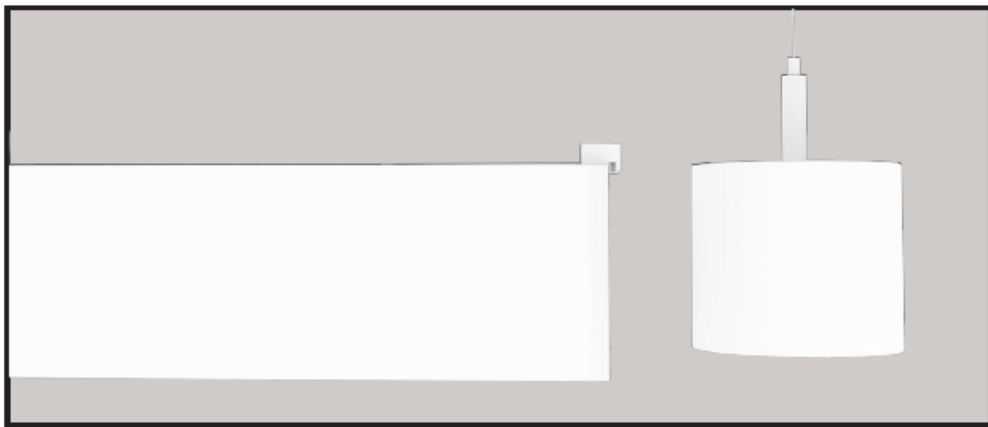
- Ensure End-Cap Hook Screw is fastened with enough thread engagement to support the weight of the Define fixture and the End-Cap Hook can move up and down enough to clear the top lip of the Define Pivot Hub.



- **Warning:** If End-Cap Hook Screw is not fastened with enough thread engagement, End-Cap Hook will slide off of the fixture and result in the fixture falling.

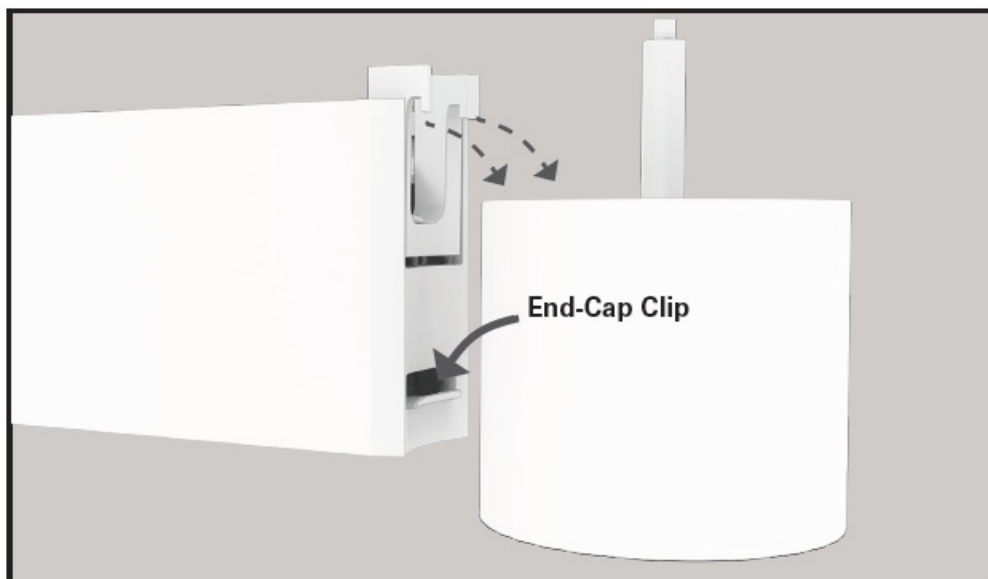
#### 4. Level Fixture

- Complete mounting of the non-hub side of the Define luminaire. Level fixture to the hub. Refer to Define Suspended installation instructions for more details regarding non-hub side mounting of the Define luminaire.



#### 5. Attach to Fixture Define Pivot Hub

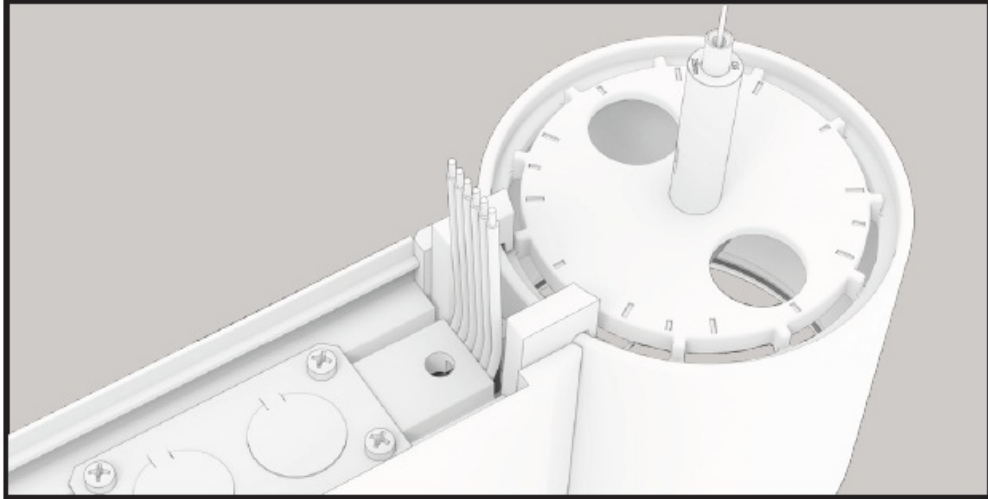
- Attach the Define fixture to the Pivot Hub by placing End-Cap Hooks over the top lip of the hub. Ensure wires are pulled up and out of the way so End-Cap is flush against the hub. Ensure the End-Cap Clip is below the bottom of the Pivot Hub.



#### 6. Attach Define Pivot Hub

- Move wires to the side and loosely fasten End-Cap Hook Screw further to ensure End-Cap Clip is hooked under the bottom of the Pivot Hub. Do not fully tighten End-Cap Hook Screw to allow for slight leveling

and pivoting adjustments.



- **Warning:** Ensure the luminaire is leveled before fastening the End-Cap Hook Screw to prevent damage to the End-Cap Clip.

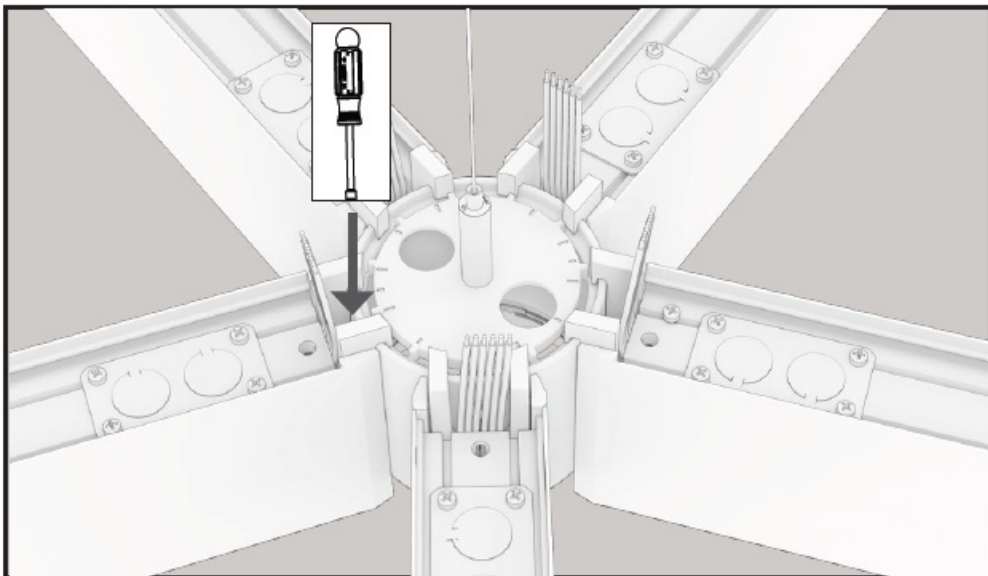
#### 7. Repeat Steps

- Repeat Steps 3-6 for each luminaire in the Define Pivot Hub pattern.

**Note:** When using a sensor in the Define Pivot Hub, ensure the luminaire with the sensor wire is aligned nearest to the sensor cable hole in the back of the hub. See Step 11B for a reference image.

#### 8. Tighten End-Cap Hook Screws

- Once all fixtures are attached and leveled, tighten each End-Cap Screw to lock in the position.



- **Note:** For End-Cap Hook Screw, tighten until both the End-Cap Clip, and the End-Cap Hook are engaged with the hub, and torque to 7.1 in-lbs.

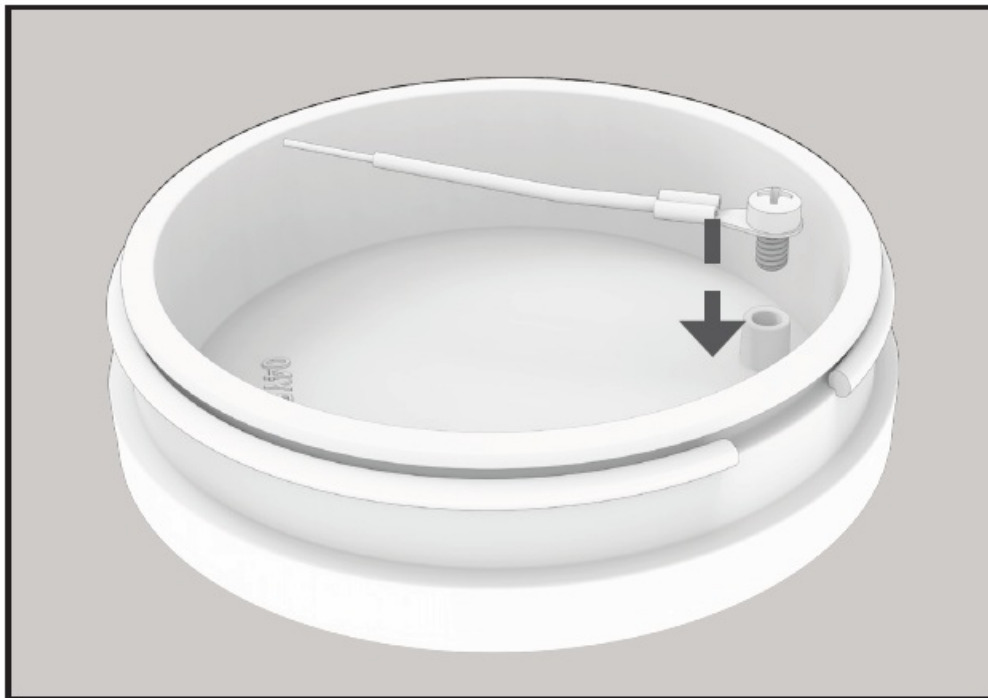
#### 9. Attach Ground

- Attach ground pigtail to hub utilizing included 8-32 screw.



#### 10. Attach Ground

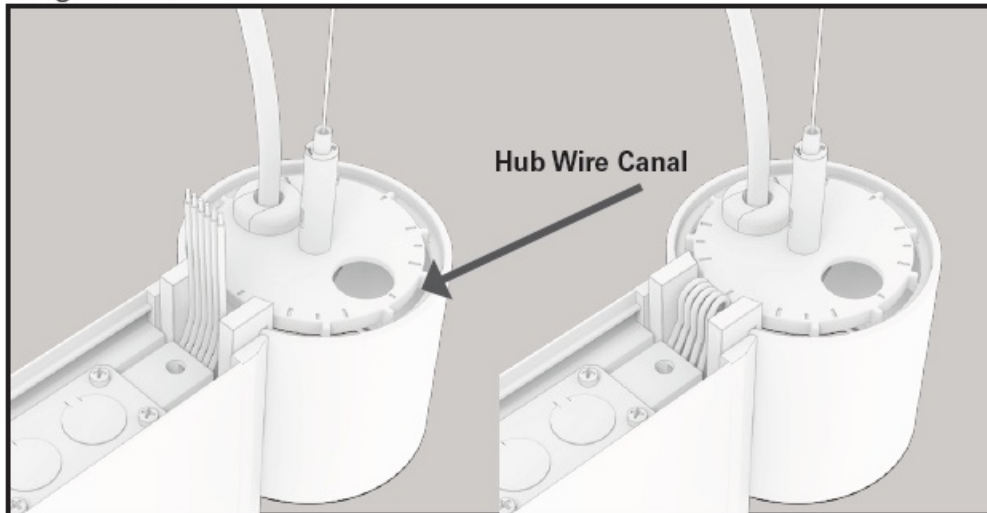
- Attach ground pigtail to hub cap utilizing included 8-32 screw.



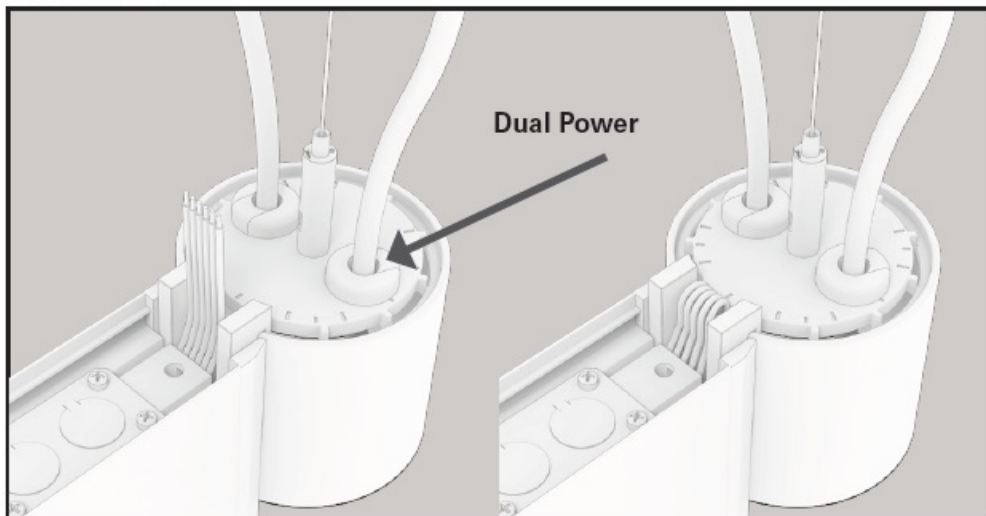
#### 11. Inserting Wires

- Bring fixture wires into the hub by inserting wires through the hub wire canal.

### Single Power



### Dual Power



- **Using a Sensor**

- When utilizing a hub-mounted sensor, pass the sensor cable through the sensor hole.

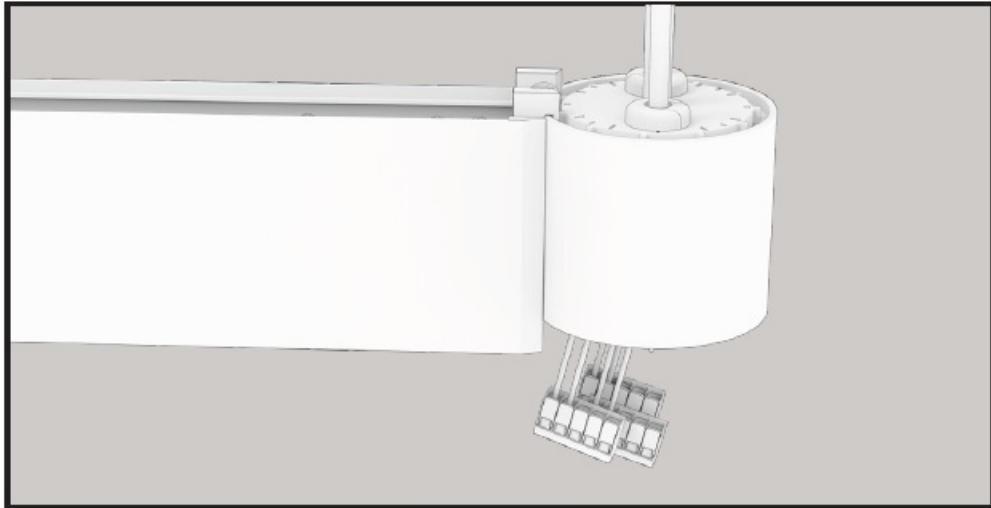


### 12. Repeat

- Repeat Step 11 for each luminaire in the Define Pivot Hub pattern.

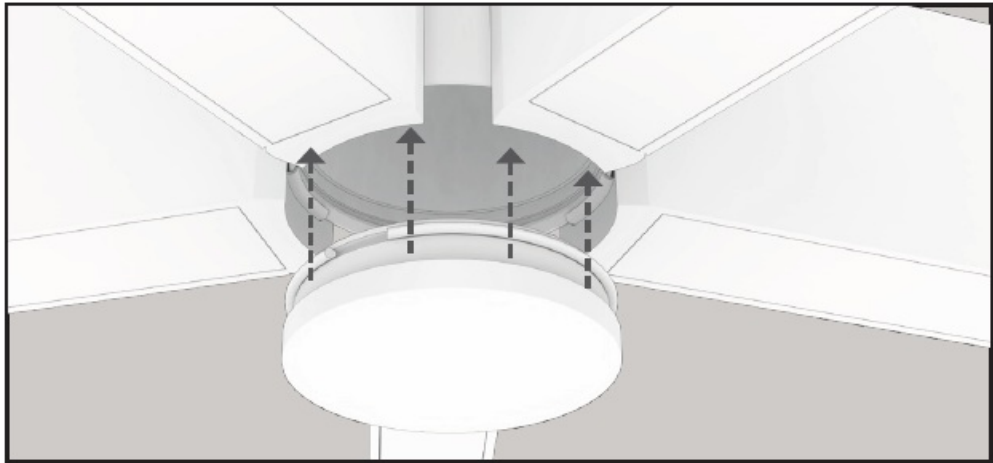
### 13. Wire Connections

- Make appropriate wire connections per Define Suspended installation instructions. Ensure that both the Hub Cap and Hub pigtails are grounded.
- **Note:** For better wire management, wires may be cut down if they are too long for connections.



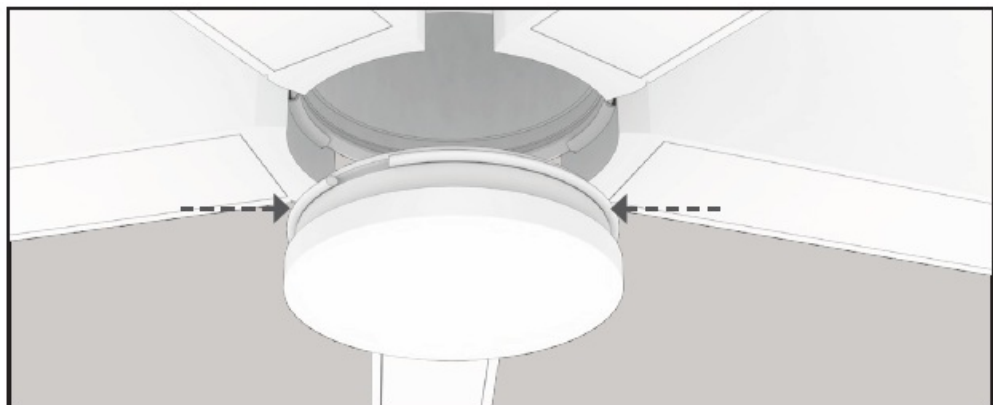
#### 14. Add Hub Cap

- Once all wiring is complete, snap in the Hub Cap. Refer to the following instructions for additional details.



- **Hub Cap Snap Ring**

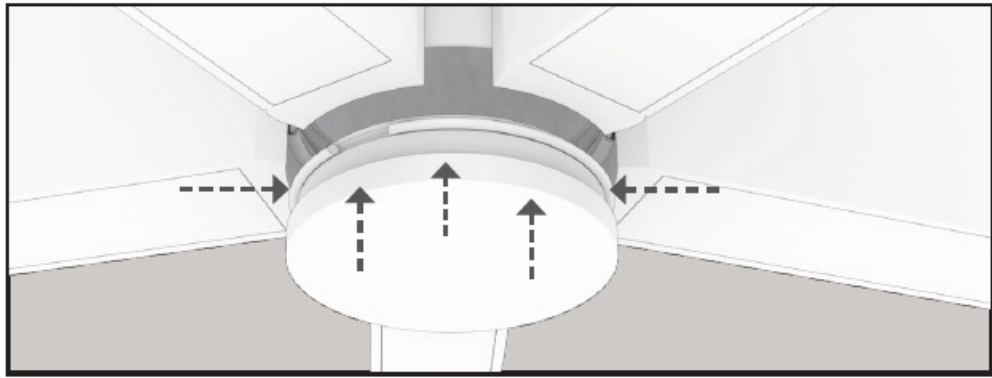
- Pinch the Hub Cap Snap Ring as shown in the image.



- **Insert Hub Cap**

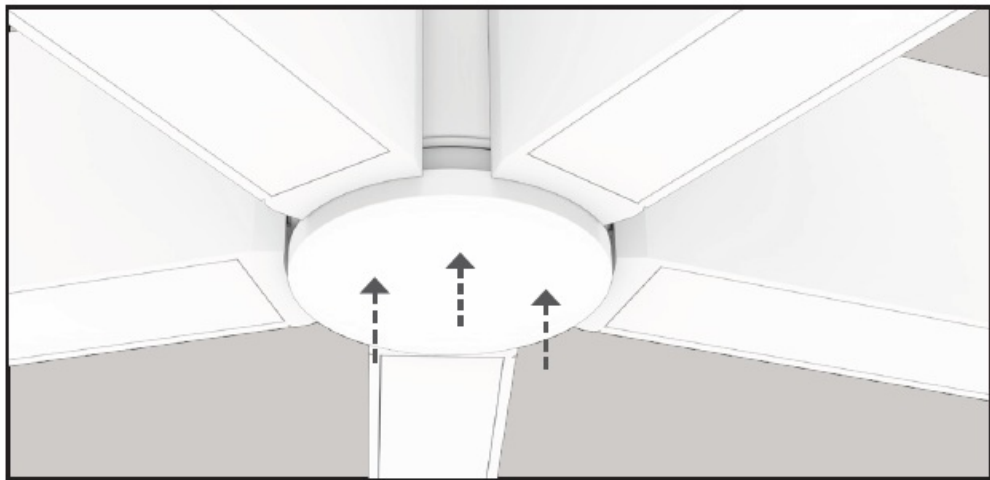
- While continuing to pinch the Hub Cap Snap Ring, insert the Hub Cap into the Define Pivot Hub.





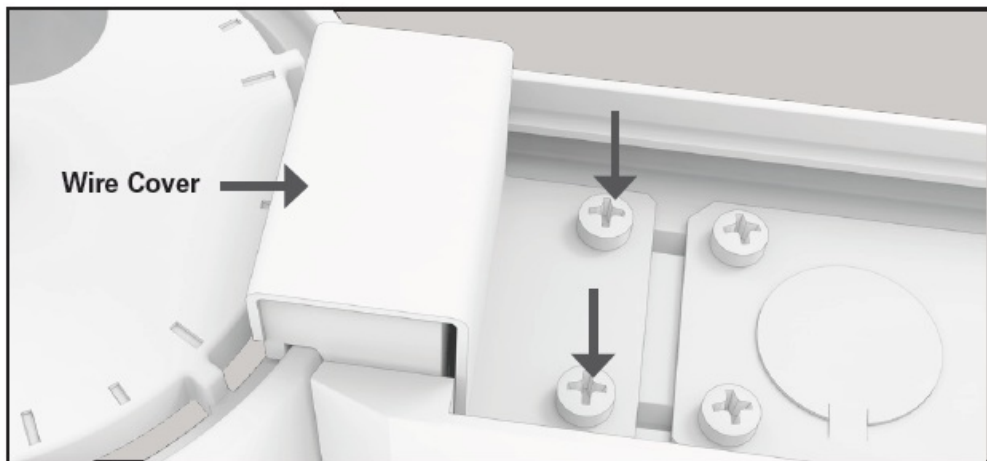
- **Snap Hub Cap**

- Firmly snap the Hub Cap into the Define Pivot Hub. Adjust the Hub Cap by lightly pulling on the Hub Cap to ensure proper alignment.
- Note: The Hub Cap should be flush with the Define luminaires when properly installed.

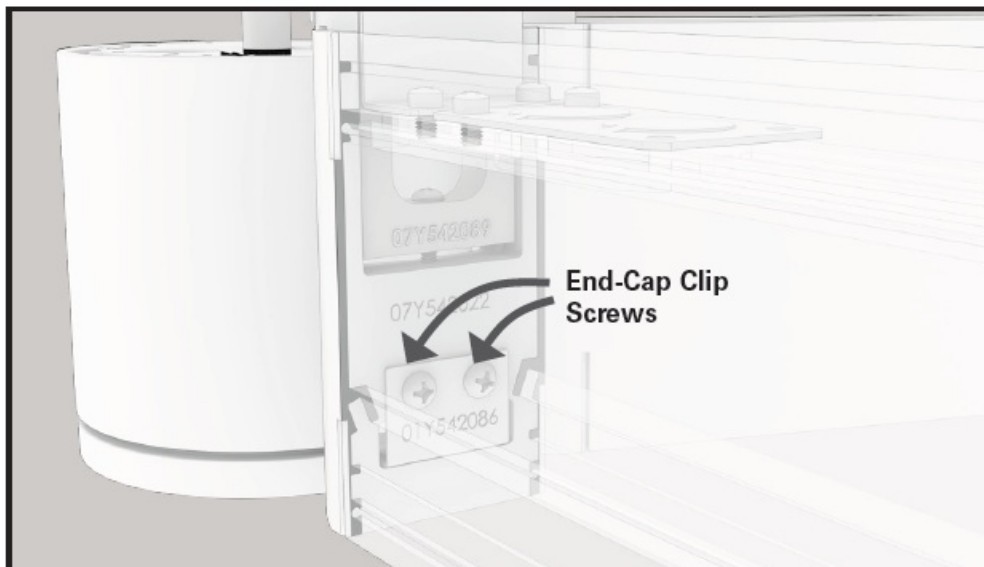
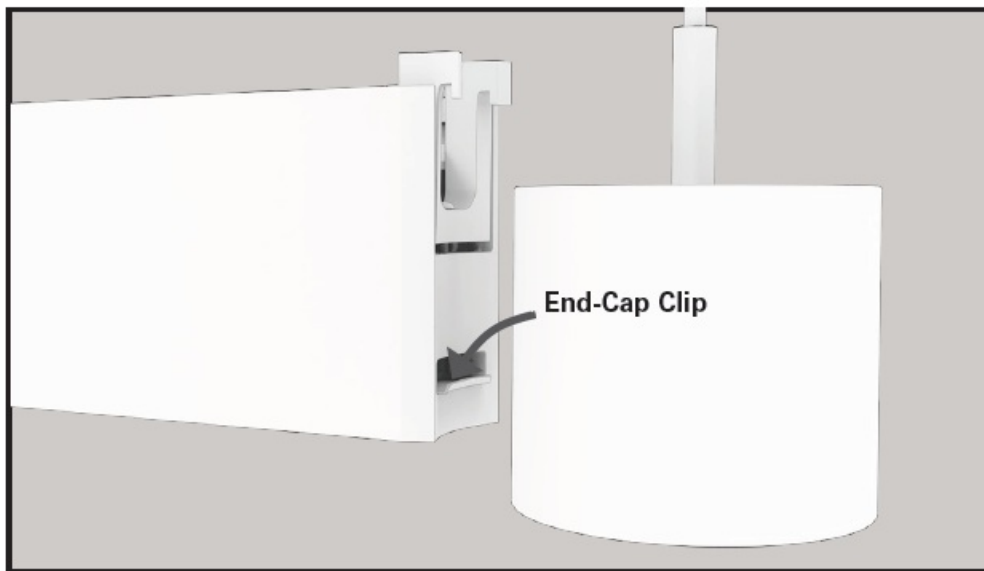


## 15. Add Top Wire Covers

- Install Wire Cover on top of the fixture using 2 Included, 8-32 screws.

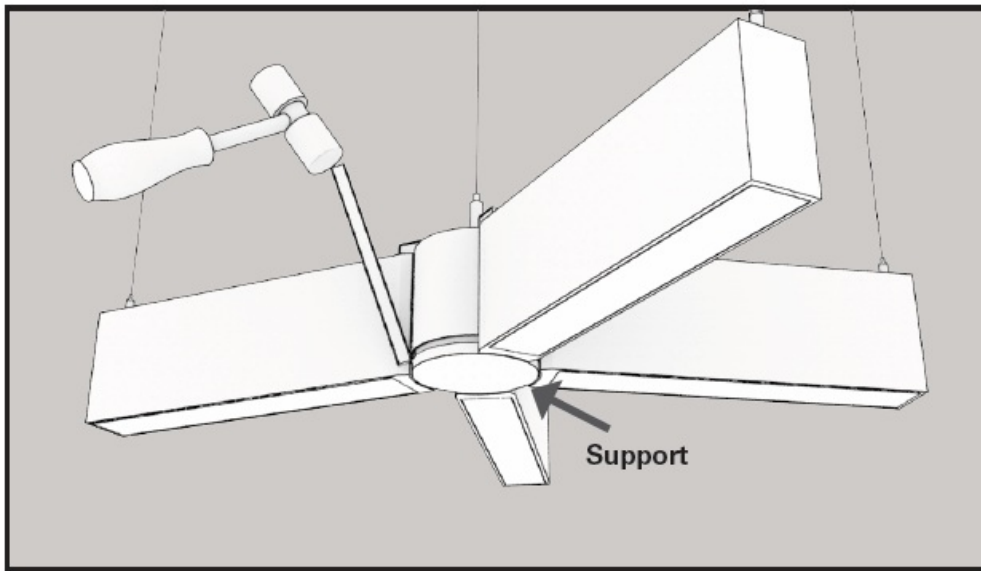


**Note:** If the Define luminaire is installed or leveled improperly, the End-Cap Clip may become damaged. Please contact the factory for a replacement End-Cap Clip as this component is required to keep the Define luminaire securely fastened to the Define Pivot Hub. To replace End-Cap Clip, remove the lens to access, and then remove the 2 End-Cap Clip Screws from inside the Define Luminaire housing. Replace the clip and ensure that both screws are tight before reinstalling the lens.



## Hub Cap Removal

**Note:** If the Hub-Cap needs to be removed to adjust wire connections or for service, the following procedure should be utilized to prevent damage to the paint. Take a non-marring tool such as a carpenter's pencil, wooden dowel, or fiberglass rod and place one end onto the edge of the Hub-Cap lip. Tap the back side of the tool with a dead blow or framing hammer, driving the hubcap downwards, while supporting the back of the hubcap with your fingers to prevent horizontal movement. This should dislodge the cap and the Snap Ring from the Hub, allowing free removal of the Hub Cap. Refer to the image below for additional details. It should be noted that using a screwdriver or pry bar to remove the cap will result in paint damage.



## WARRANTY

### Warranties and Limitations of Liability

Please refer to [www.cooperlighting.com/Warranty](http://www.cooperlighting.com/Warranty) for our terms and conditions.

## FCC

### 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, under 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 by 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 and 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 the receiver.
- Connect the equipment to 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.

## CONTACT INFORMATION


- Cooper Lighting Solutions
- 1121 Highway 74 South Peachtree City, GA 30269
- P: [770-486-4800](tel:770-486-4800)
- [www.cooperlighting.com](http://www.cooperlighting.com)
- For service or technical assistance: 1-[800-553-3879](tel:800-553-3879)

## Canada Sales

- 5925 McLaughlin Road Mississauga, Ontario L5R 1B8 P: [905-501-3000](tel:905-501-3000)
- F: [905-501-3172](tel:905-501-3172)

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## Documents / Resources

	<a href="#">NeoRay IL52458023EN Define Pivot Hub</a> [pdf] Instruction Manual IL52458023EN Define Pivot Hub, IL52458023EN, Define Pivot Hub, Pivot Hub, Hub
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## References

- [User Manual](#)

### Manuals+, Privacy Policy

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