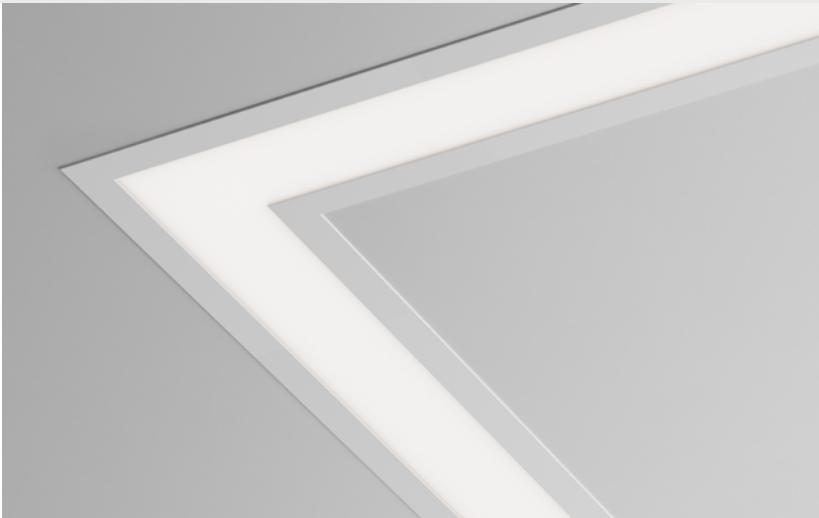


NT2 Corner Driver + Fixture Replacement

This document details the procedure for replacing corner drivers/ fixtures in Mindset Interspace Patterns.



Contents

NT2 Lens Removal + Access Plate Removal (All)	2
NT2 Fixture Replacement Trim (CT)	5
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NT2 Corner Driver + Fixture Replacement

Information

Important

- Read all instructions including wiring and mechanical details before the start of the installation.
- Install in accordance with the local and national building and electrical codes.
- Do not join fixtures on the ground and raise them into place. This will damage the fixtures due to the significant forces on the joining brackets.
- Fixture through wiring is 18 AWG. Calculate maximum row length per fixture watts per foot and local and national building codes.
- Contact the factory if you require assistance or have questions.
- CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR. / CONSULTER UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS.



Tools Required

Tools:

- #2 Phillips Screwdriver
- Flat Head Screwdriver
- Pliers
- NT2 - Lens Installation Tool (provided)

Materials:

- Duct Tape (by others)
- 2ft of Nylon String (by others)



Safety Warnings

- **Shock hazard!** Fixtures must be connected to building ground via provided ground wire before connecting to main supply power.
- Disconnect or turn off power supply before attempting any installation maintenance or servicing operations.

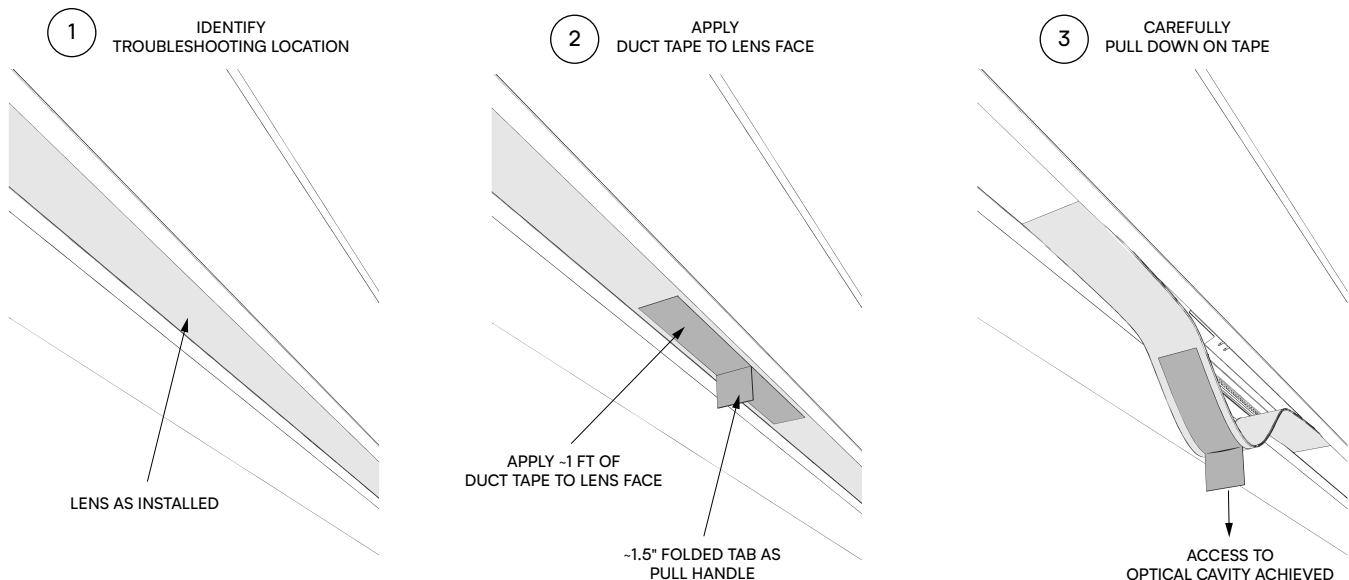
NT2 Lens Removal + Access Plate Removal (All)

1 Lens Removal Straight Segment

Affix a 1-foot length of duct tape to the lens, creating a folded tab to serve as a handle. Flex the lens outward; once a section is dislodged, the remainder can be easily slid out.

The need for full lens removal depends on its length. Shorter lenses are simpler to remove entirely. For lengths exceeding 20 feet, it might be sufficient to pull the lens down only enough to access the troubleshooting area.

NOTE: Trim version shown for reference.. All Interspace surface types follow the same steps to remove the lenses.



NT2 Corner Driver + Fixture Replacement

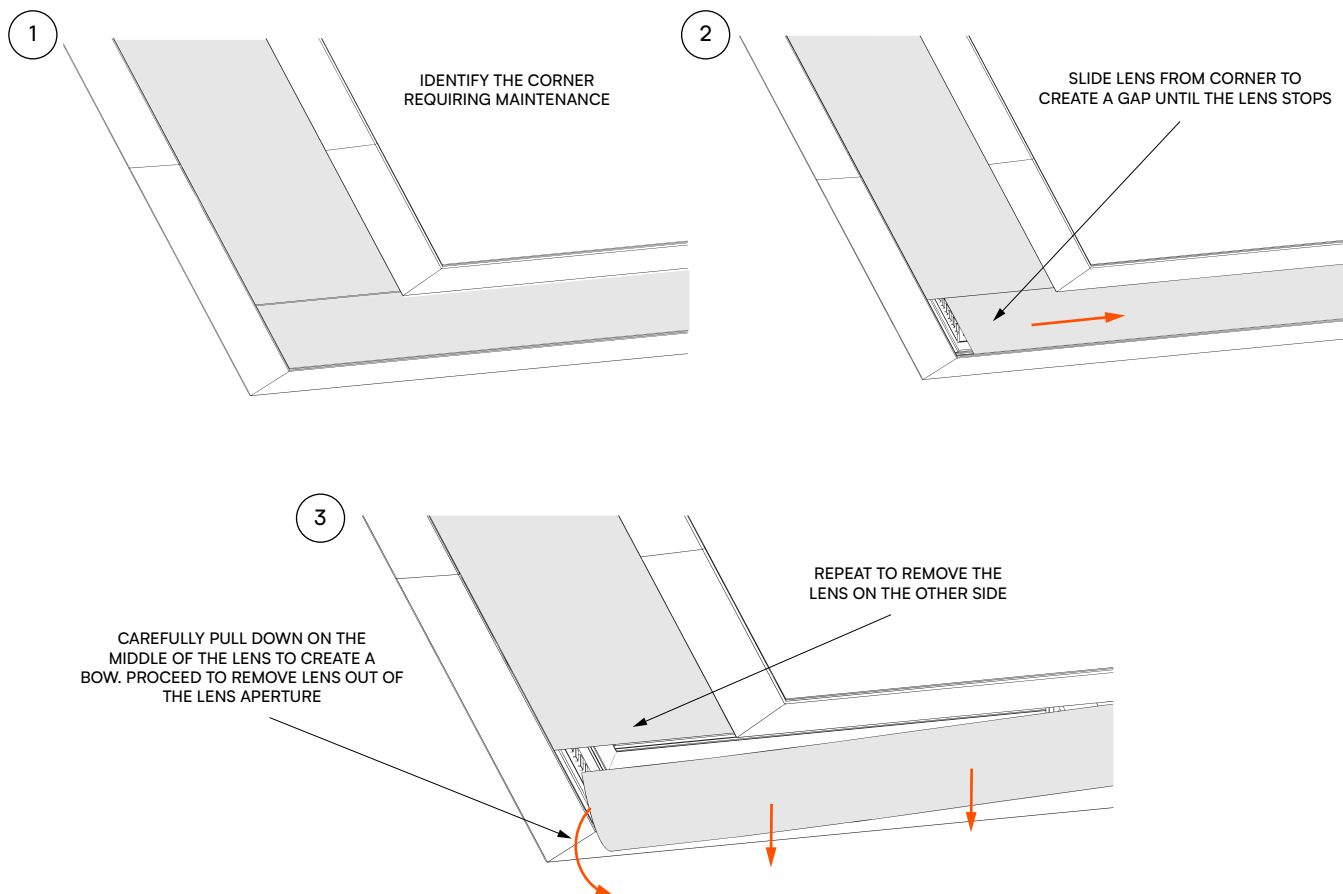
2 Lens Removal at Corner Segment

1. Identify the corner fixture segment that requires maintenance.

NOTE: For closed pattern shapes and long segments refer to **Step 1 (page 2)** for instructions to lower and/or remove the lens from the straight segments to gain access to the fixtures connected to the corner fixture.

2. For an open shape with an end leg: slide one of the lens segments to one end until it stops and a gap is present.
3. Carefully pull down on the middle of the lens until it bows and gently remove the lens out of the lens shelf along the length until there is enough room to access the connected fixtures wiring cavities.

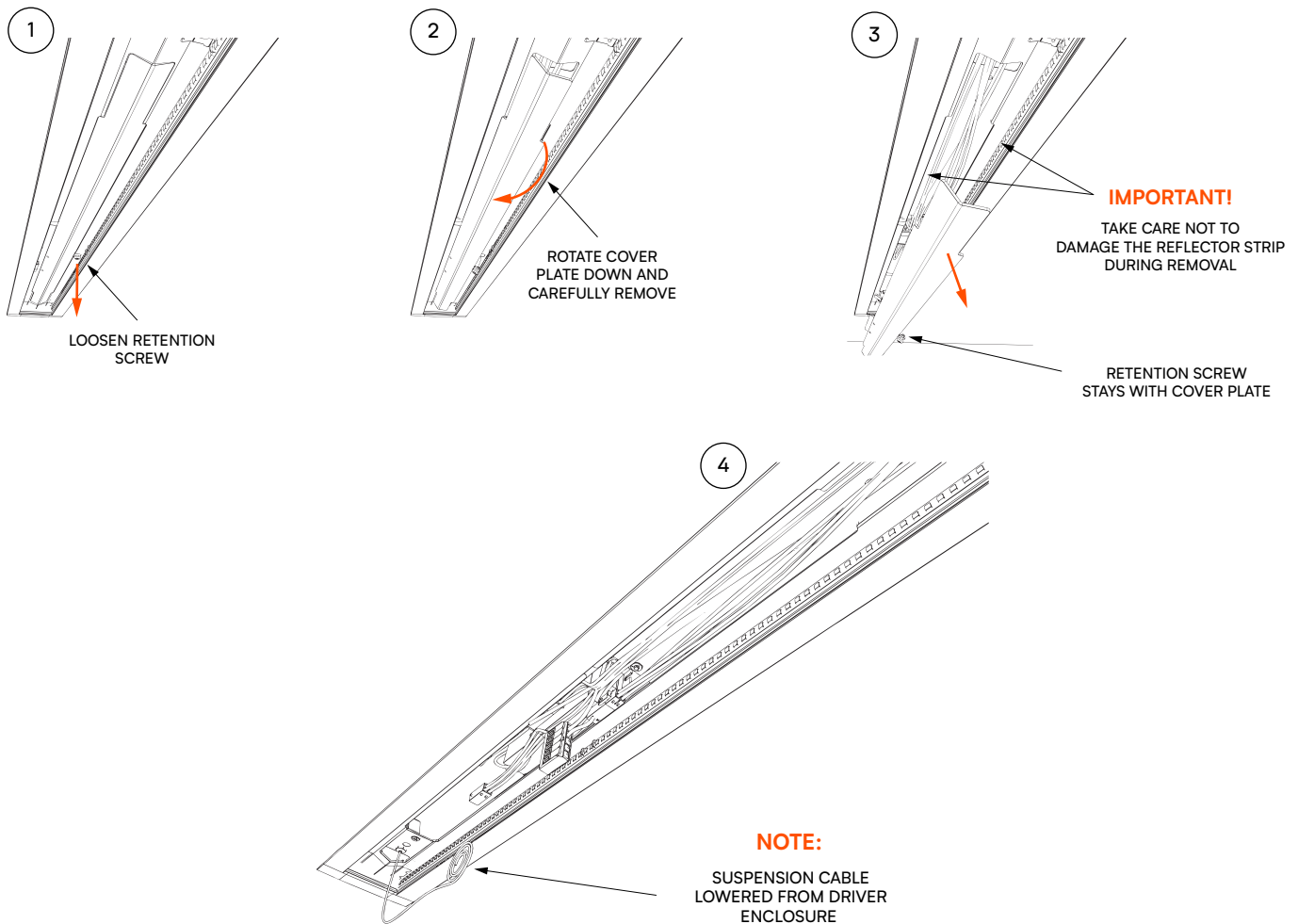
NOTE: Trim version shown for reference. All Interspace surface types follow the same steps to remove the lenses.



NT2 Corner Driver + Fixture Replacement

3 Remove Driver Box Access Covers

1. Loosen, but do not fully remove, the retention screw.
 2. Carefully rotate the cover plate downwards.
 3. Ensure the reflective strip is not damaged during this step.
 4. **Note for Trim (CT) and Trimless mud-in (CM) models:** The suspension cable is coiled inside the driver enclosure. Be mindful of this when removing the cover plate.
- NOTE:** Trim version shown for reference. All Interspace surface types follow the same steps to remove the access cover plate.



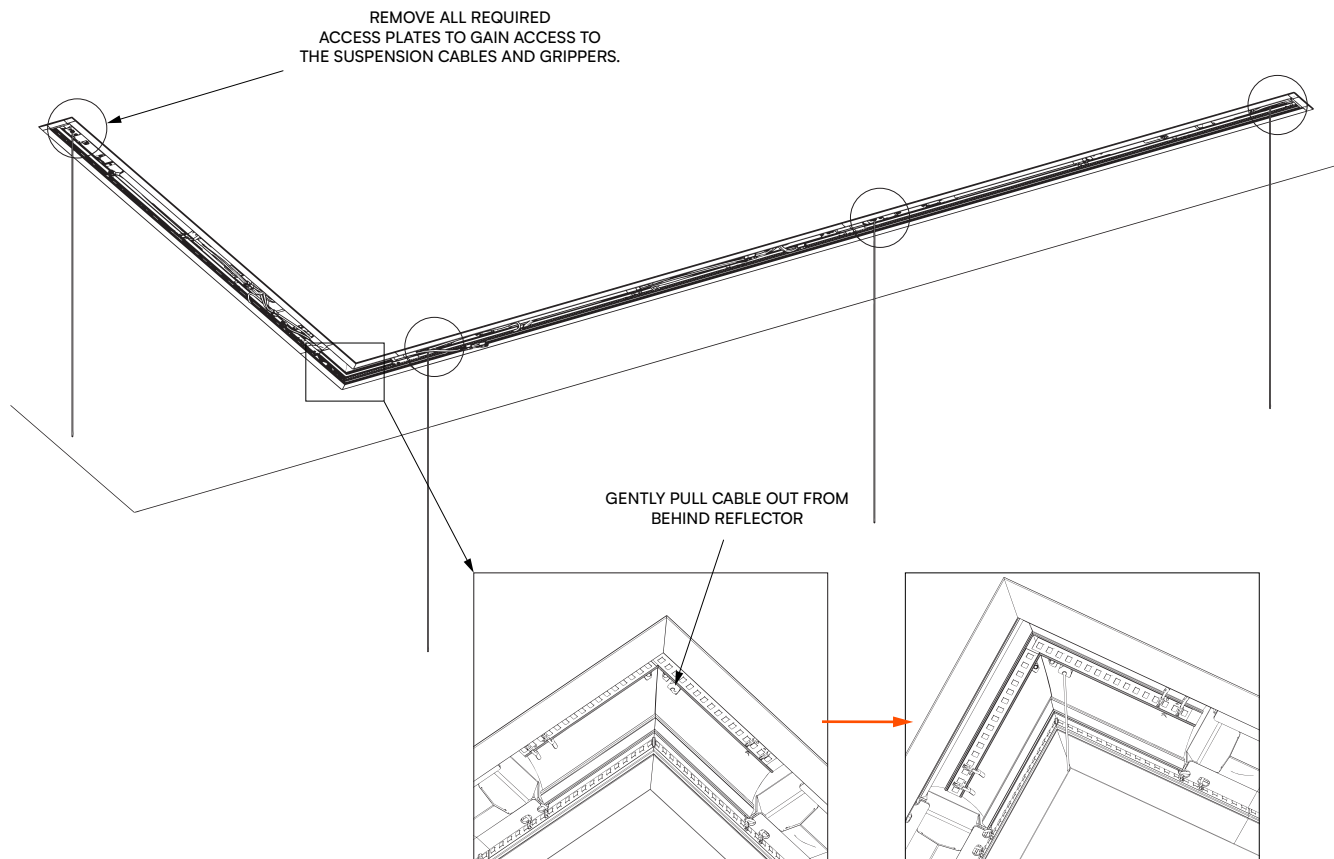
NT2 Corner Driver + Fixture Replacement

NT2 Corner Fixture Replacement – Exposed Trim (CT)

1 Prepare to Lower Corner Fixture and Adjacent Fixtures

IMPORTANT: The faulty corner fixture that has been identified will need to be replaced with a new corner fixture. This requires the need to remove additional access covers in the connected fixtures in the pattern. Refer to **Step 1 (Page 2)** and **Step 3 (Page 4)** for steps on removal of the lenses and removal of access cover plates before proceeding to next.

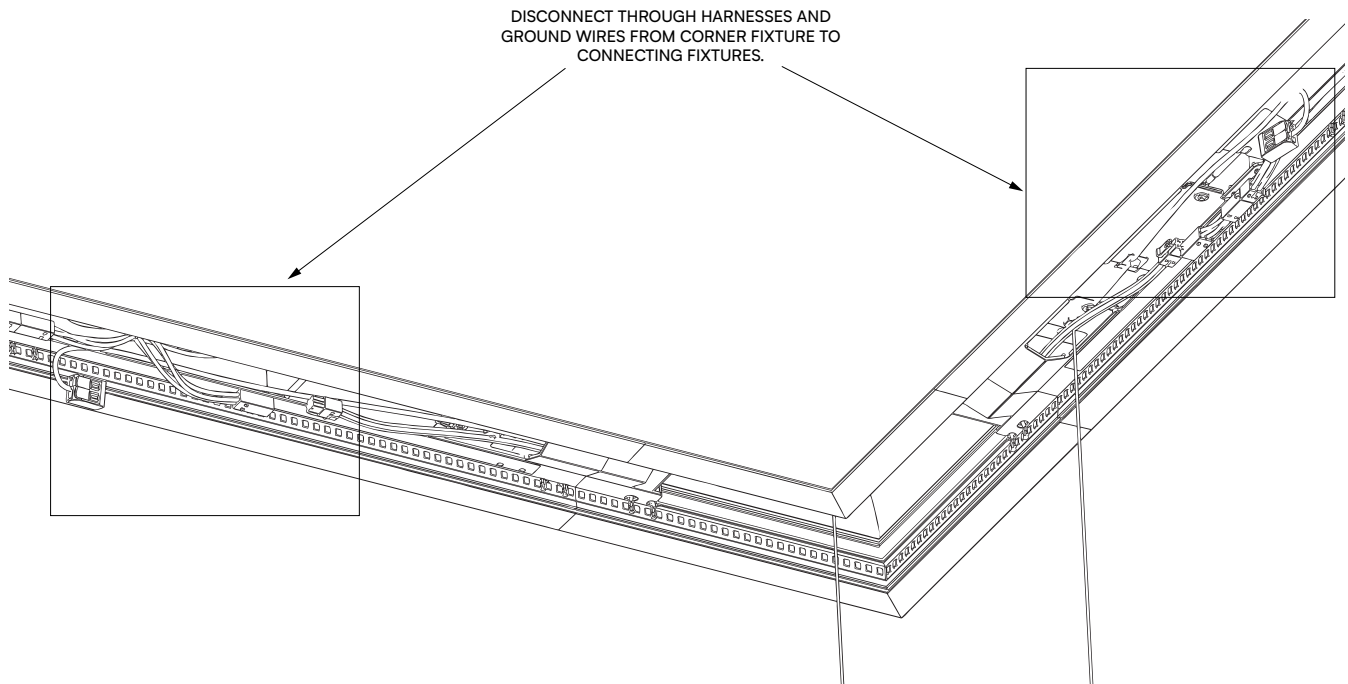
At the corner fixture carefully pull the suspension cable from behind the reflector to allow the fixture to be lowered.



NT2 Corner Driver + Fixture Replacement

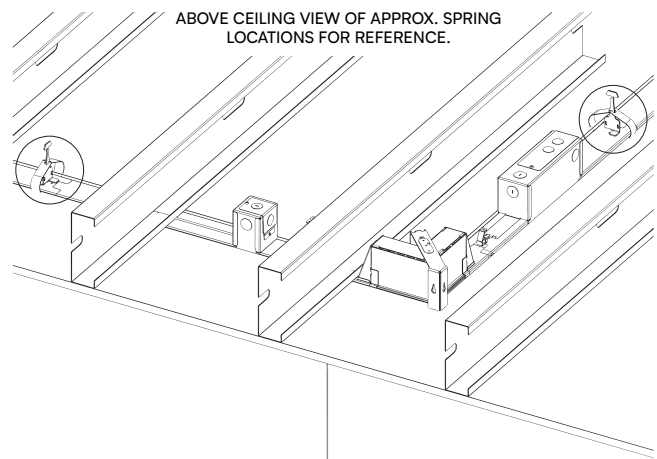
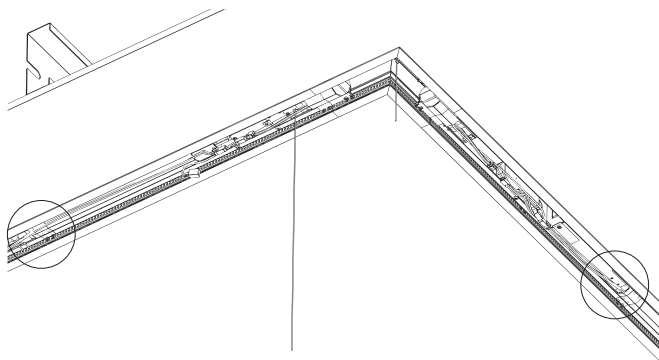
2 Prepare to Lower Corner Fixture and Adjacent Fixtures – Continued

Disconnect the harnesses from the connecting fixture(s) and ground wires from the lever-WAGOs.



STOP! IMPORTANT: There are spring clips engaged pulling the straight fixtures up into the ceiling. This must be taken into consideration when lowering the fixture(s). Care must be taken to also observe if screws have been used to fasten the fixture to the studs in place of the suspension cable and gripper.

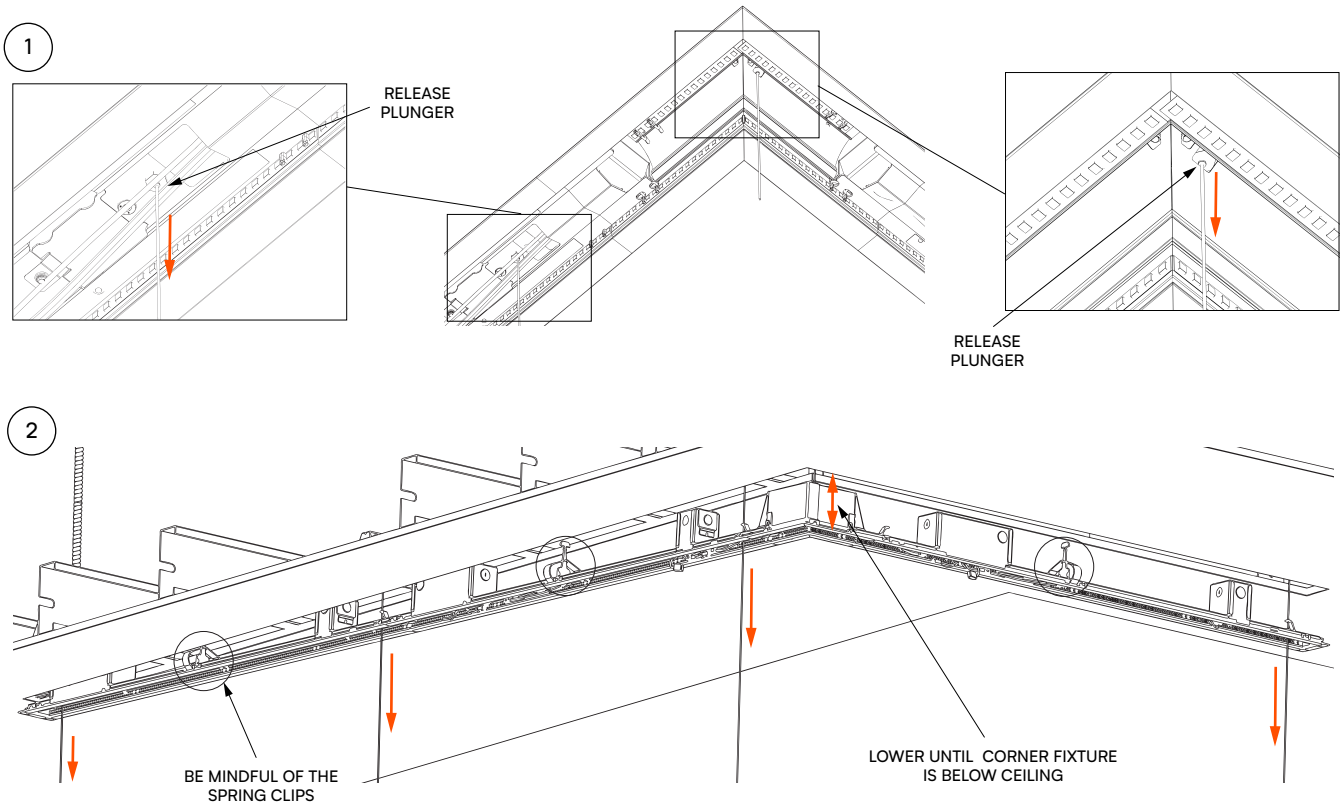
As the fixture begins to be lowered, identify where the spring clips are located. There will be tension pulling the fixture back up at these points.



NT2 Corner Driver + Fixture Replacement

3 Lower Corner Fixture and Adjacent Fixtures

1. Carefully begin to disengage the release plunger on the grippers to lower the corner fixture and connected fixtures in small increments.
2. Lower until the corner fixture is lower than the ceiling to a safe working height; low enough to be able to remove from connected fixtures.



NT2 Corner Driver + Fixture Replacement

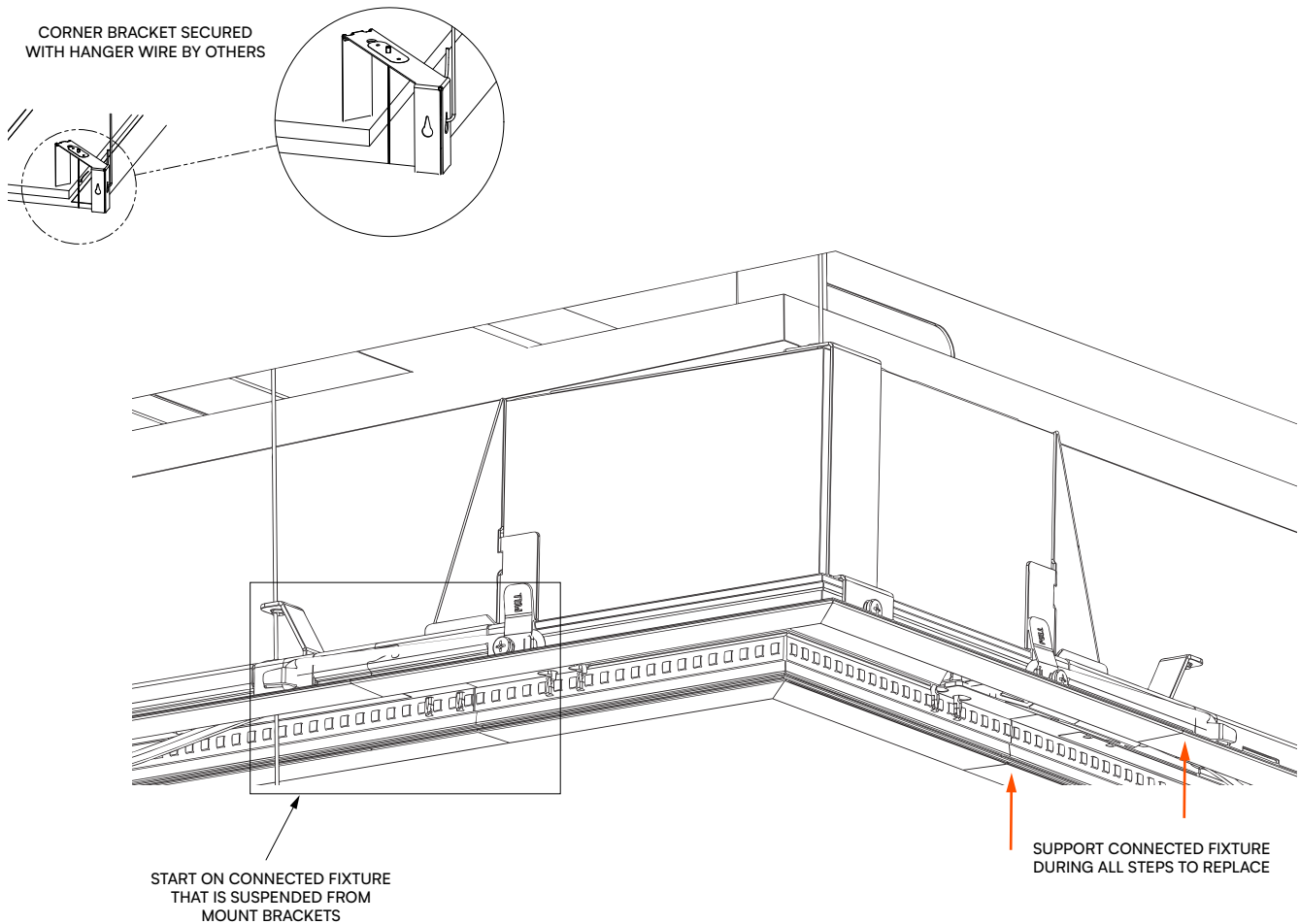
4 Prepare to Disconnect Corner Fixture from Connected Fixtures

With the fixture at a safe working height.

STOP!

IMPORTANT! Read carefully!

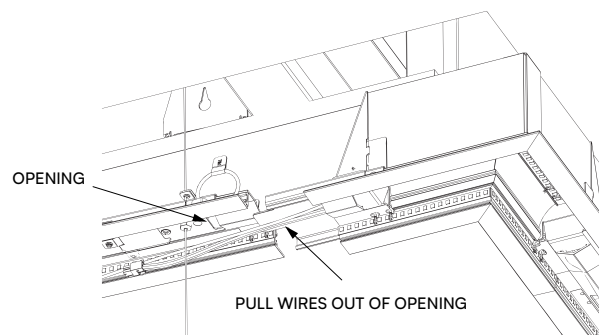
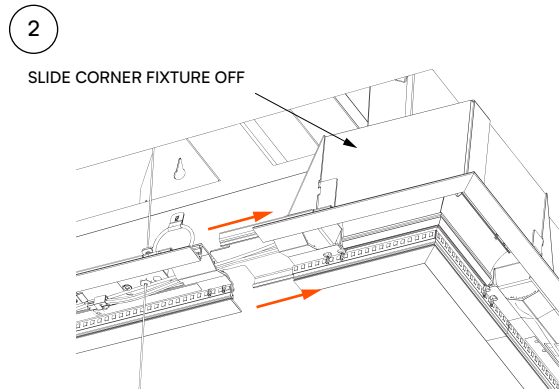
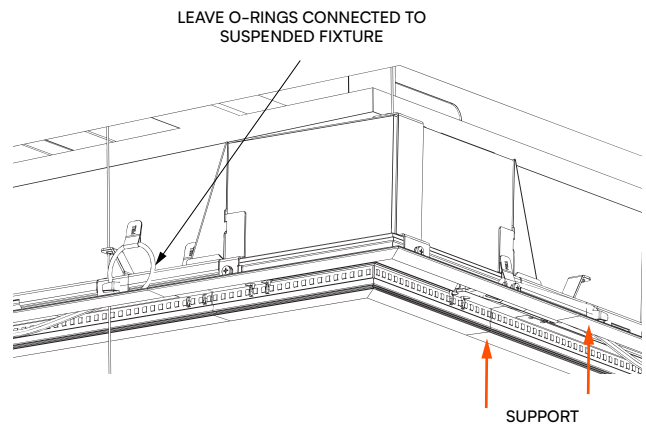
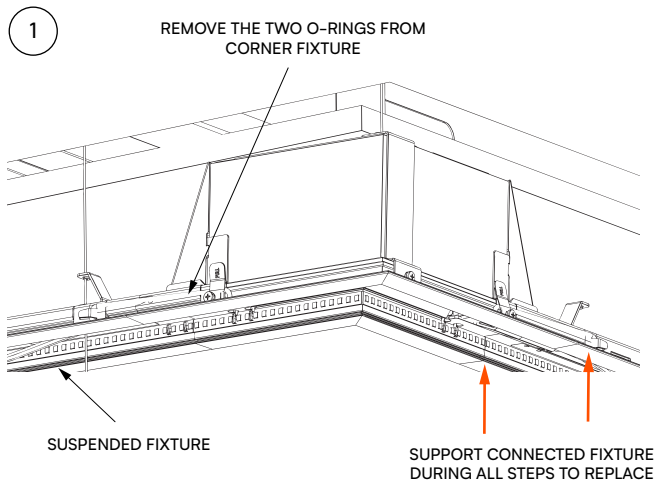
- The corner fixtures mounting bracket above the ceiling should have been secured with a hanger wire by others in accordance with local building and electrical codes.
- The fixture connected on the other side of the corner **must** be supported during all steps of replacing the corner fixture.
- The connected fixture that is suspended from the cable on both ends must be the start point to disconnect the corner fixture from the connected fixture.



NT2 Corner Driver + Fixture Replacement

5 Disconnect and Remove Corner Fixture from Connected Fixture

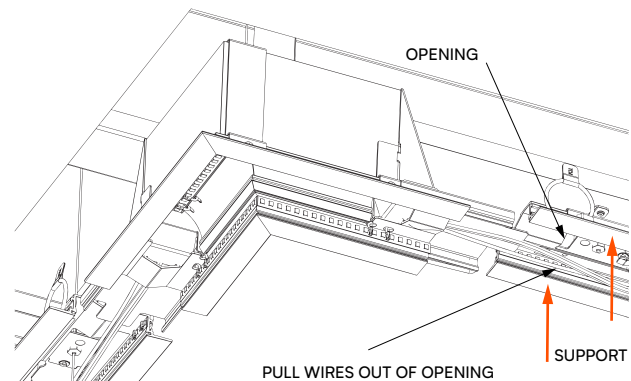
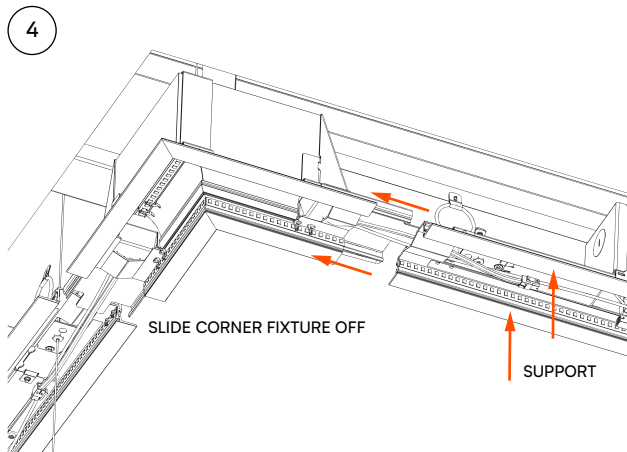
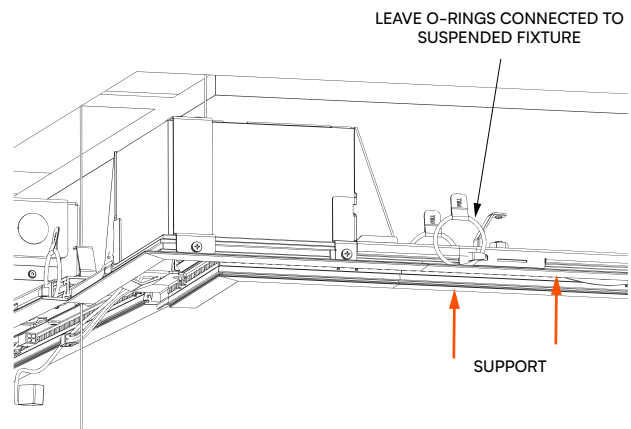
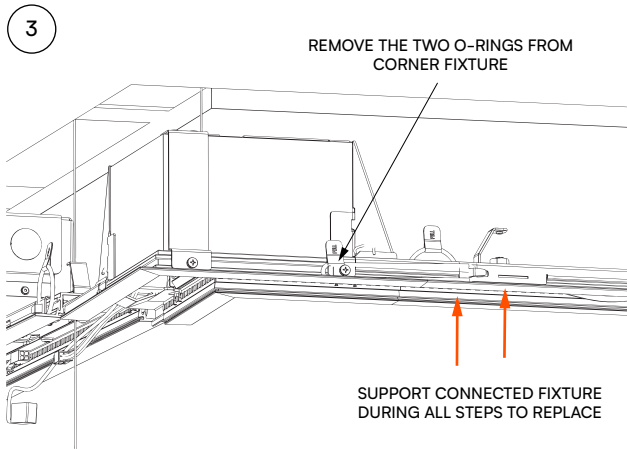
1. Remove the o-rings on both sides from the corner fixture, leave o-rings secured to the suspended fixture.
2. Slide the corner fixture off of the connected fixture and pull the corner wire harness and ground wire out from the opening on the suspended fixture.



NT2 Corner Driver + Fixture Replacement

6 Disconnect and Remove Corner Fixture from Connected Fixture – Continued

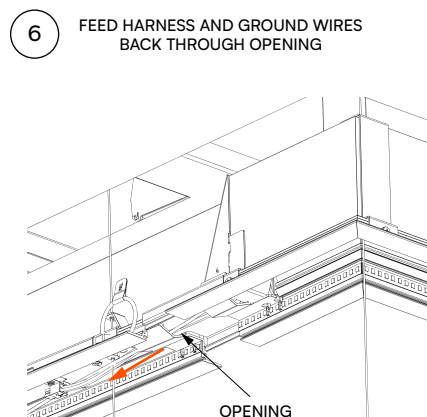
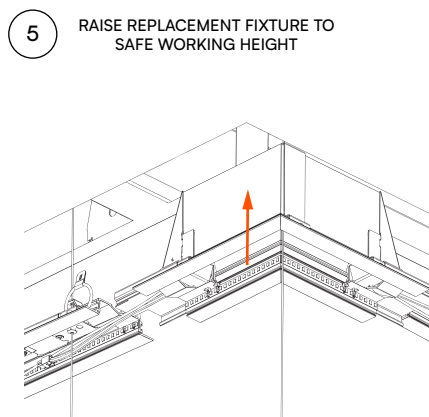
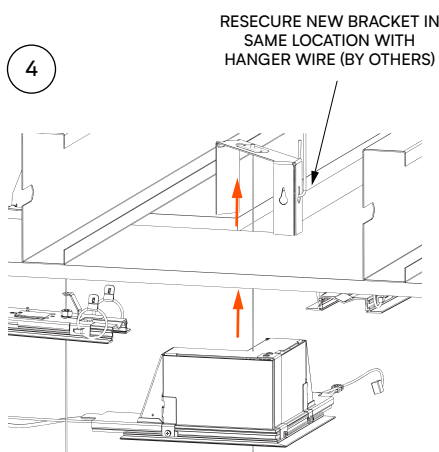
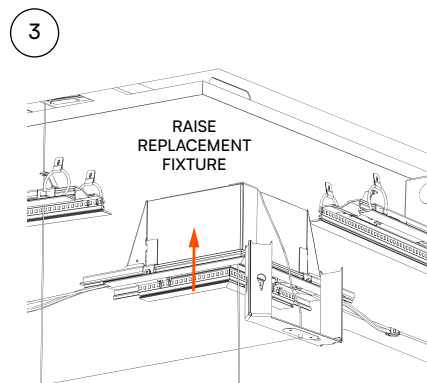
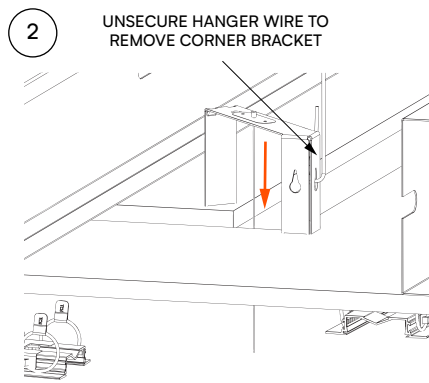
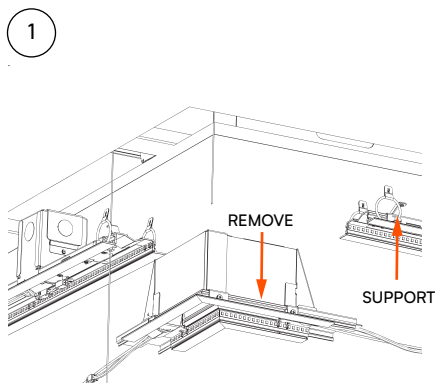
3. Remove the o-rings on both sides from the corner fixture, leave o-rings secured to the supported fixture.
4. Slide the corner fixture off of the supported fixture and pull the corner fixture wire harness and ground wire out from the opening on the supported fixture.



NT2 Corner Driver + Fixture Replacement

7 Remove Corner Fixture, Begin to Reinstall Replacement Corner Fixture

1. Remove the old corner fixture from the suspension cable.
2. Unsecure the corner bracket from the hanger wire and safely remove from ceiling cut out.
3. Raise the replacement corner fixture up to the pattern opening.
4. Reinstall the corner bracket and secure with existing hanger wire. Install in accordance with the local and national building and electrical codes (by others).
5. Raise replacement fixture until level to suspended connecting fixture.
6. Feed harness wires and ground wire through opening of the suspended fixture.

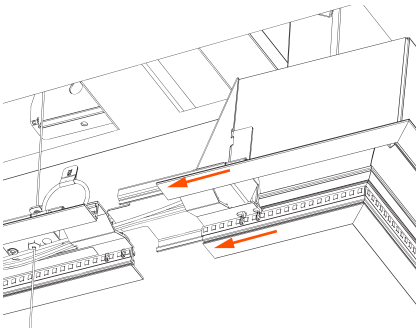


NT2 Corner Driver + Fixture Replacement

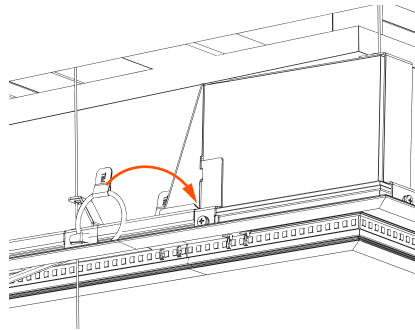
8 Continue Reinstallation of Replacement Corner Fixture

1. Bring the suspended fixture end and slide the corner fixture onto the suspended fixture until fixtures are flush together.
2. Pull the o-rings onto the corner fixtures tabs on both sides to secure the fixtures together.
3. Next, bring the corner fixture and supported fixture together.
4. Feed the corner fixture harness wires and ground wire through the supported fixtures opening.
5. Bring the fixtures together by sliding the bracket into the supporting fixtures extrusion channel until flush together.
6. Secure the fixtures together by pulling the o-rings on the supported fixture onto the tabs on the corner fixture on both sides.

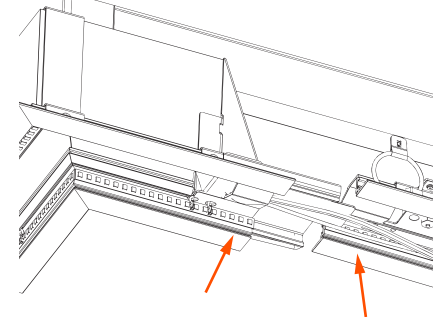
1 BRING FIXTURES TOGETHER



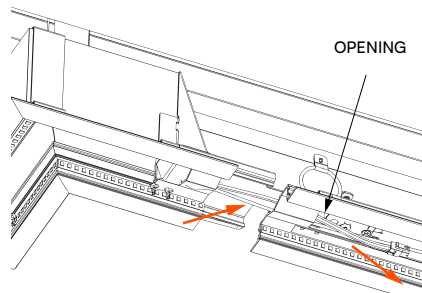
2 REINSTALL THE O-RINGS ON BOTH SIDES



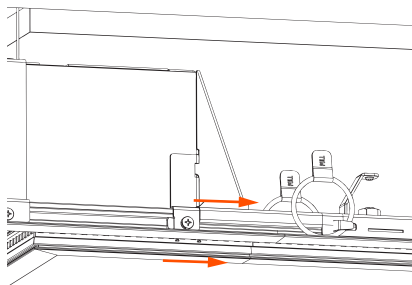
3 BRING THE OTHER END TO THE CORNER FIXTURE



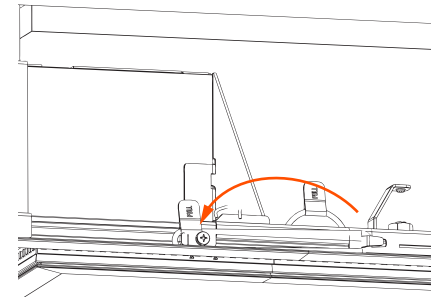
4 FEED THE HARNESS AND GROUND WIRE THROUGH THE OPENING



5 BRING FIXTURES TOGETHER



6 REINSTALL THE O-RINGS ON BOTH SIDES



NT2 Corner Driver + Fixture Replacement

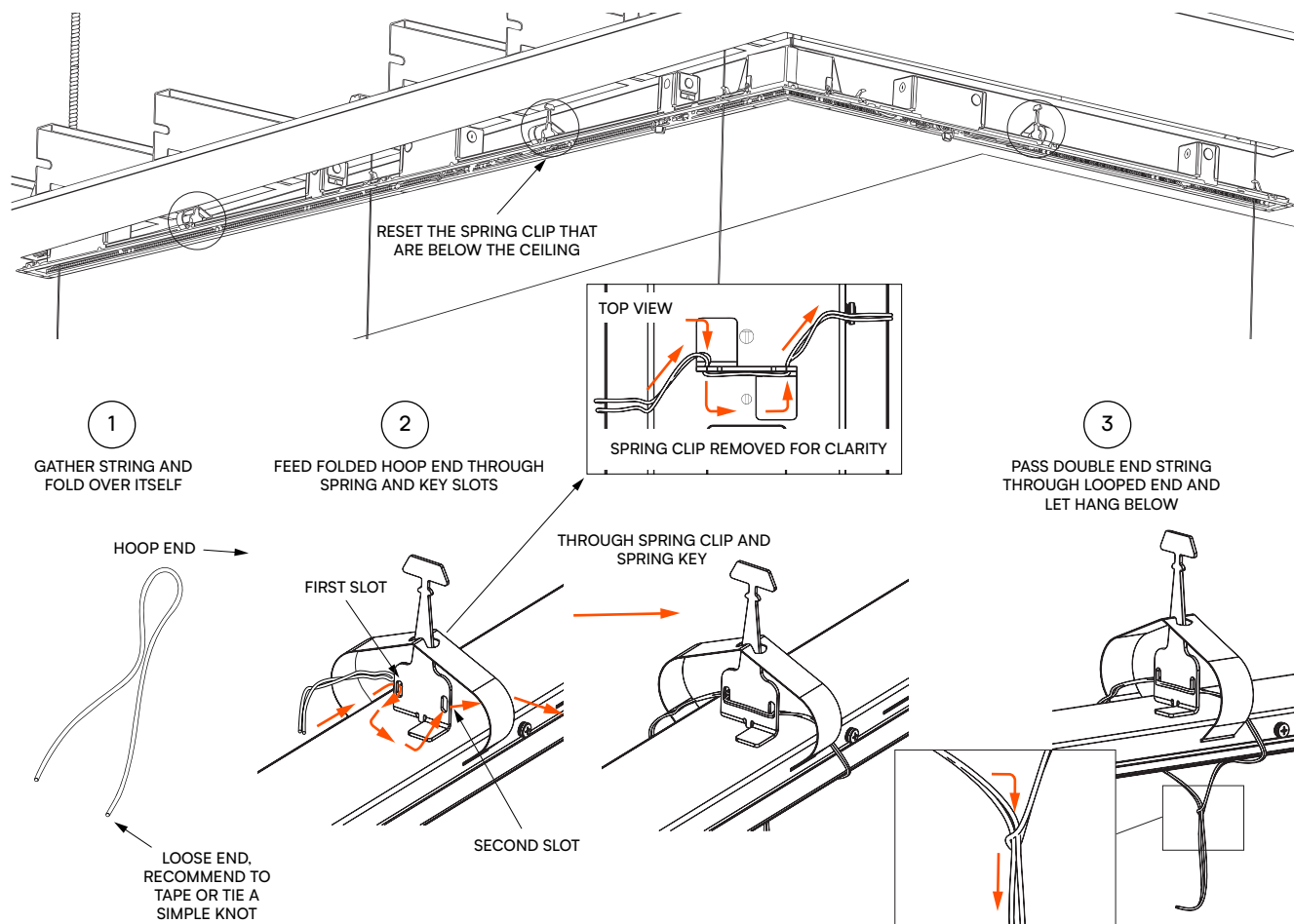
9 Reset All Spring Clips That are Below Ceiling

1. Gather 2ft of 1/16 inch (1.5 mm) diameter string, either nylon (by others). Fold the string over itself to create a hoop end.

IMPORTANT: Direction of string through the clip and spring key is critical to reset the spring.

2. Feed the folded hoop end through the spring and around the opposite side of the spring key through the first slot on the spring key.
3. Feed the string through the second slot and down through the opposite side of the spring.
4. Allow the string to lay over the fixture on both sides and pass the not folded end of the string through the folded end.

NOTE: It is recommended to tape or tie the loose ends of the string together as they will be required to be pulled together during the final step.



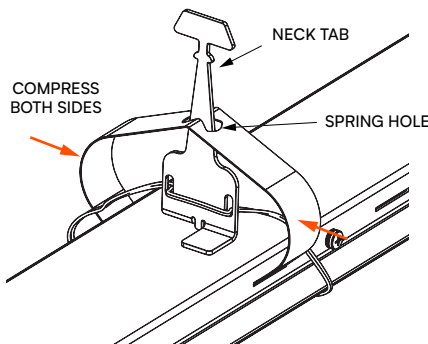
NT2 Corner Driver + Fixture Replacement

10 Reset All Spring Clips That are Below Ceiling – Continued

4. Compress the spring to raise it up so the clip hole passes the key's neck tabs.
5. Once the key is inserted past the tabs, rotate it 90 degrees to lock it into position. Turn counter-clockwise for the standard orientation (as shown), or clockwise if the starting orientation is mirrored.
6. Slowly release the compressed spring to rest the spring top on the neck tabs.

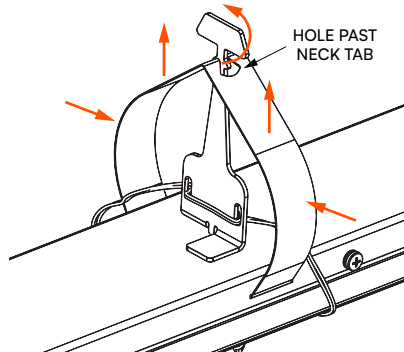
4

COMPRESS BOTH SIDES OF THE CLIP TO FORCE IT UPWARDS TO PASS THE NECK TABS



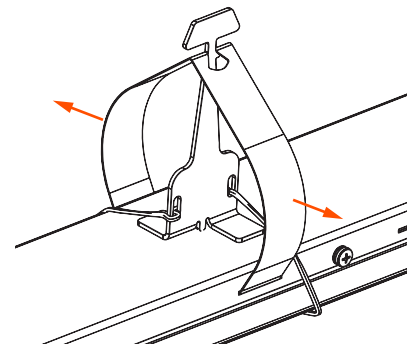
5

TURN 90 DEGREES



6

SLOWLY RELEASE COMPRESSED SPRING

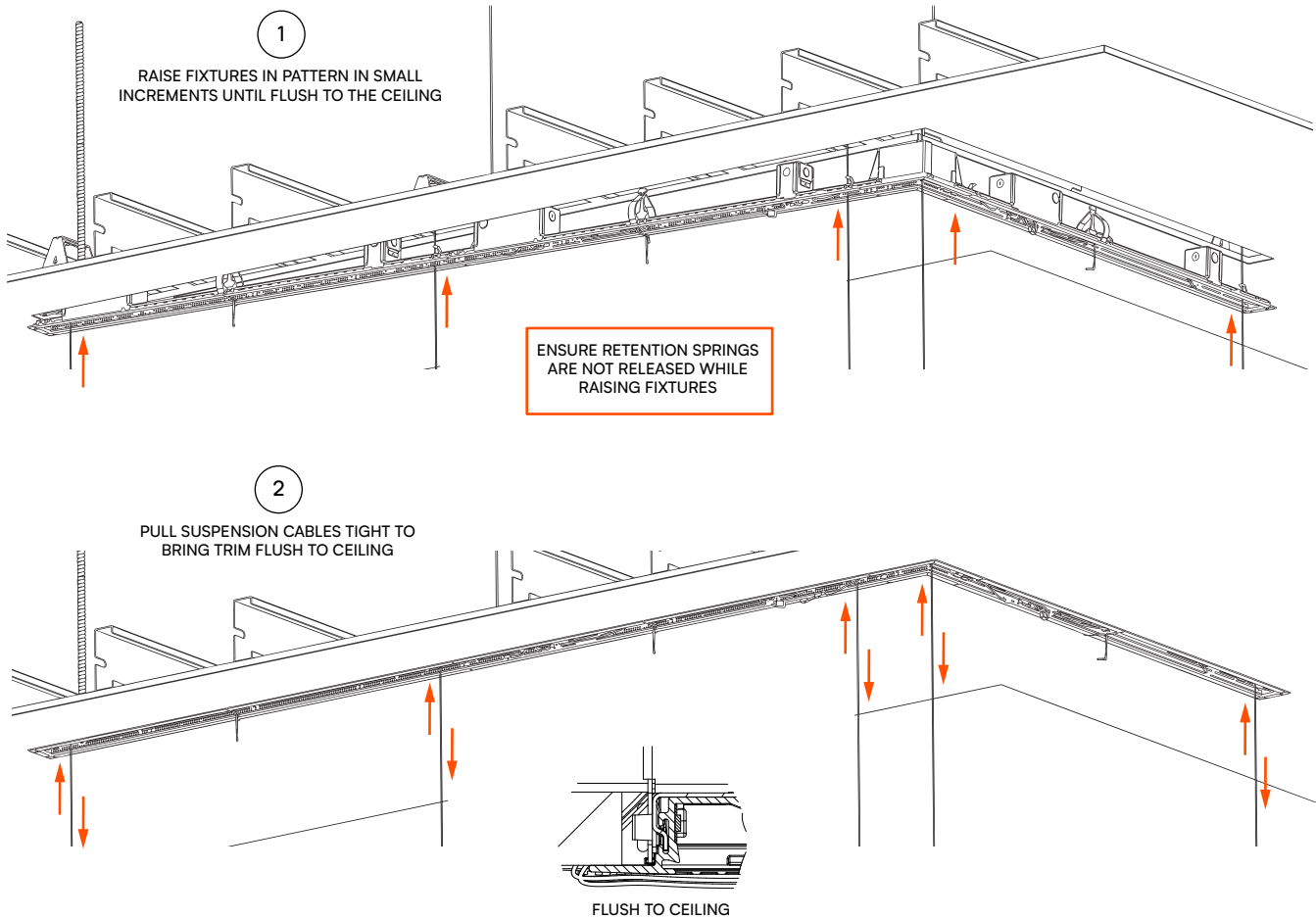


The spring is reset and ready for next.

NT2 Corner Driver + Fixture Replacement

11 Carefully Raise Fixtures Back into Position

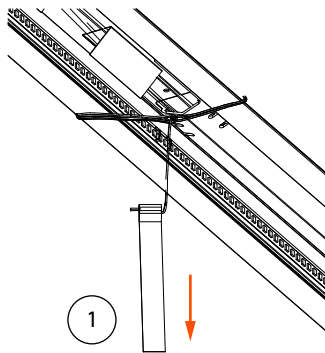
1. Carefully raise the fixtures in the pattern that were lowered back into the ceiling in small increments. Be mindful to not release the retention springs.
2. Once against the ceiling, pull the cables tight to bring the pattern flush to the ceiling.



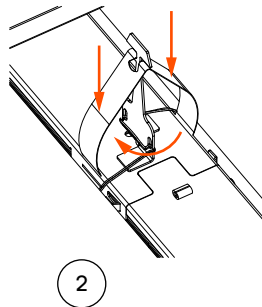
NT2 Corner Driver + Fixture Replacement

12 Pull Retention Spring String to Engage Retention Spring

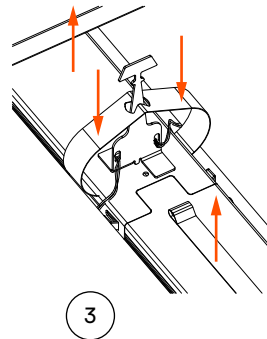
1. Pull the retention string.
2. Turn the spring key to activate the spring clip.
3. The spring clip will engage and suck the fixture into the opening and flush to the ceiling.
4. Remove the string by feeding back through the hoop end and pull down on the taped side of the string to remove. (Shown with tape on strings).



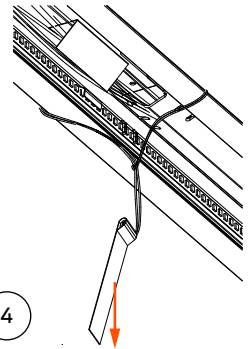
1
PULL STRING DOWN



2
PULLING STRING ACTIVATES
RETENTION SPRING HOLDER



3
SPRING ENGAGES AND PULLS
FIXTURE TO CEILING

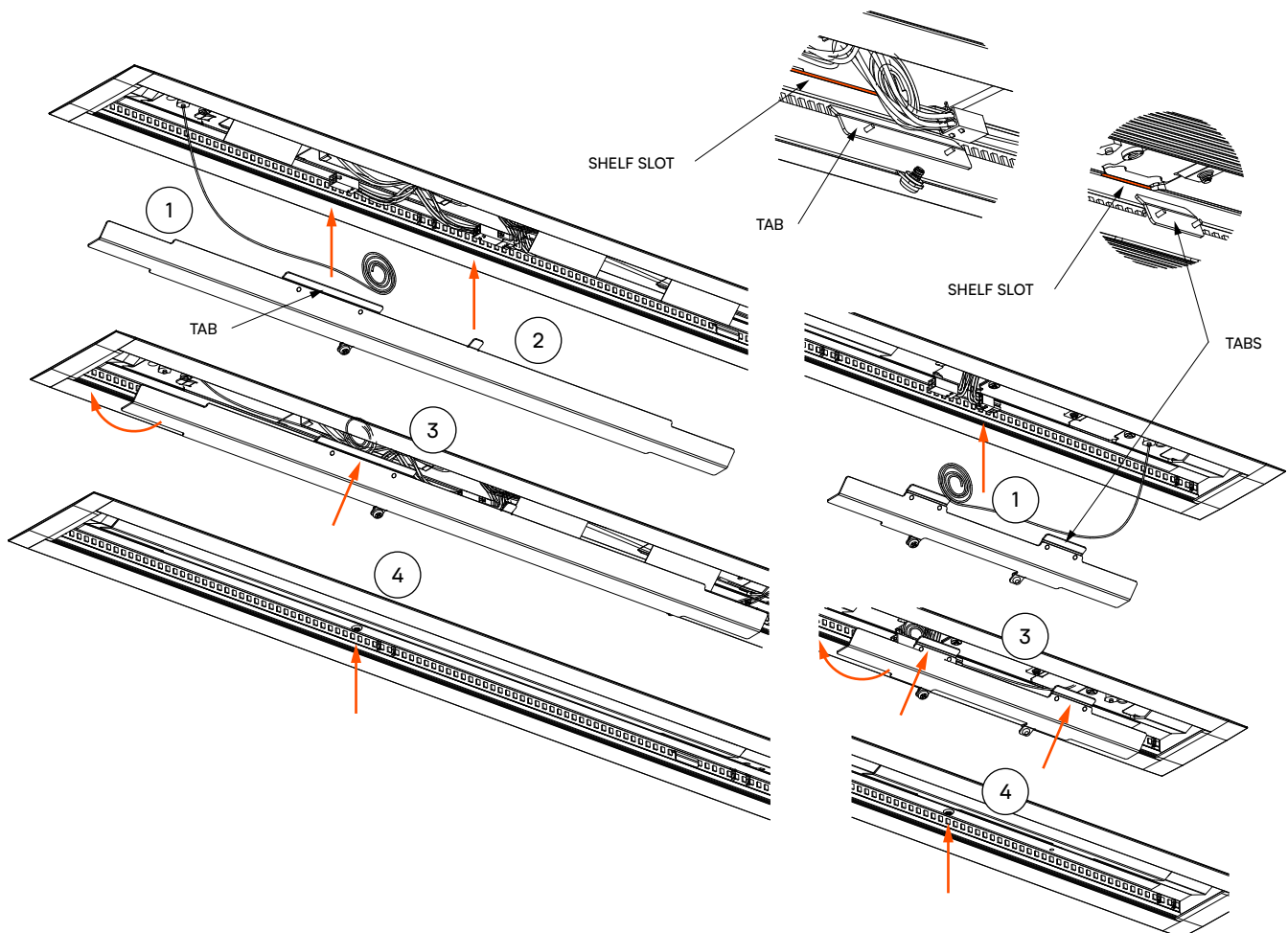


4
FEED STRING BACK THROUGH HOOP
AND PULL TO REMOVE

NT2 Corner Driver + Fixture Replacement

13 Reinstall Access Cover Plates

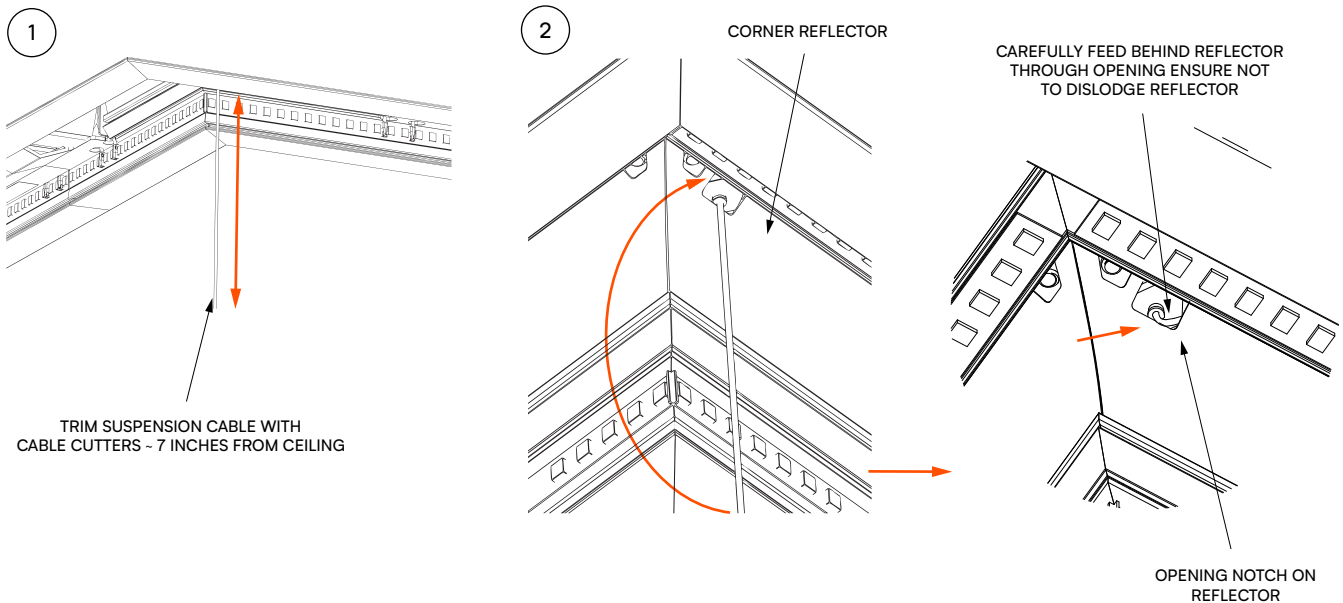
1. Coil and safely tuck excess suspension cables into the driver cavity and jumper box cavity.
2. Secure the wires back into the wire retention clips and carefully feed the connected wires back into the driver cavity.
3. Reinstall cover plates, slot the non-screw side with the tab(s) into the shelf slot and rotate up to flush.
4. Ensure all wires are safely tucked in before securing in place with the provided screw.



NT2 Corner Driver + Fixture Replacement

14 Trim the Corner Suspension Cable and Tuck Behind Reflector

1. Trim the corner suspension cable cleanly with cable cutters. Leave ~7 inches from the ceiling of the cable.
2. Carefully feed cable in behind the corner reflector. Ensure not to dislodge the reflector as installed.



Ready for lens reinstallation, proceed to **NT2 Lens Reinstallation** section on **Page 27**

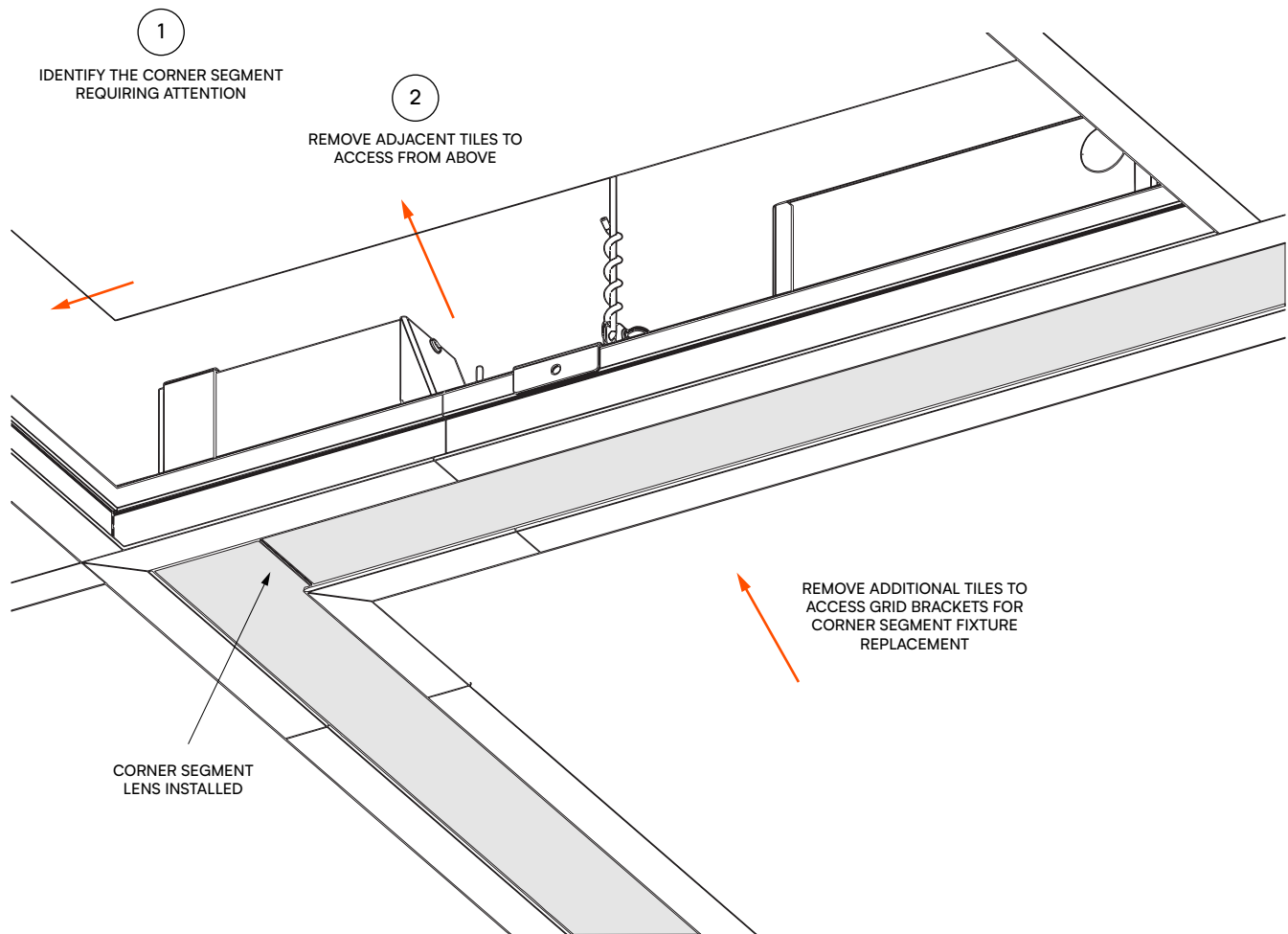
NT2 Corner Driver + Fixture Replacement

NT2 Fixture Replacement – Grid (GR)

1 Identify Segment Requiring Attention and Access from Above

1. Identify the segment in the pattern or run requiring attention.
2. Remove adjacent tile and rest aside to gain access from above.

NOTE: Refer to **Step 1 (Page 2)** and **Step 3 (Page 4)** for steps on removal of the lenses and removal of access cover plates. Once complete return here and proceed to **Step 2 (Page 20)**.



NT2 Corner Driver + Fixture Replacement

2 Disconnect Electrical Connections

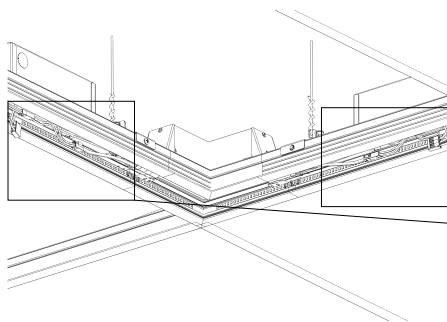
1. Disconnect through wire harnesses from connectors, next disconnect ground wires from lever-WAGOs from both connecting fixtures. Gain access from above the fixtures in the plenum.
2. Remove hardware securing grid brackets to T-Grid.

NOTE: Two grid brackets shown for reference, there may only be one grid bracket installed.

3. Remove thumb screws to allow all fixtures to be raised from the opening.
4. Unsecure o-rings from the corner tab of the corner fixture on both ends.
5. Raise the corner fixture until the bottom of the corner fixture is above the top of the T-Grid bulb.

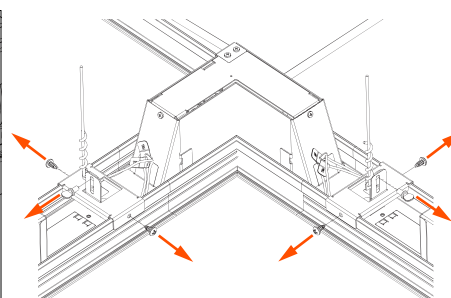
1

DISCONNECT THROUGH HARNESSES FIRST THEN
DISCONNECT GROUND WIRES



2

GAIN ACCESS FROM ABOVE FIXTURES, REMOVE
HARDWARE TO FREE UP GRID BRACKETS

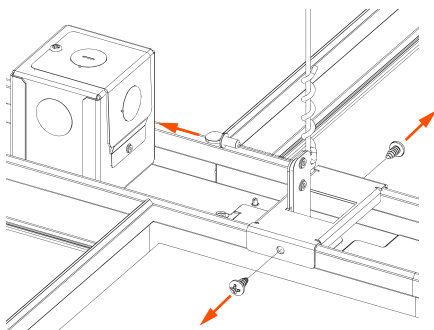


DISCONNECT HARNESSES

DISCONNECT GROUND

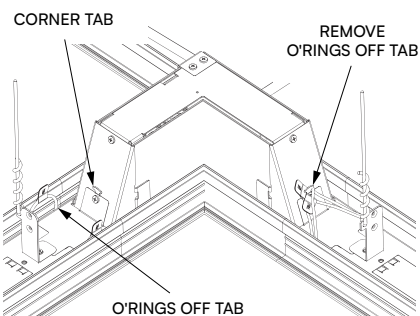
3

REMOVE SCREWS FROM GRID
BRACKET(S) ON CONNECTED FIXTURES
ON OPPOSITE ENDS



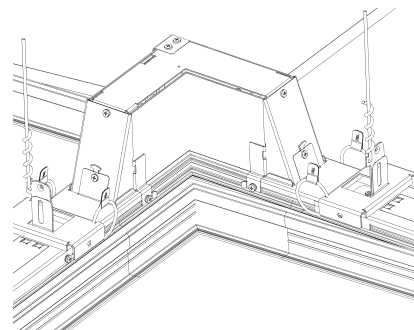
4

UNSECURE O-RINGS ON BOTH
SIDES OF CORNER TABS



5

RAISE CORNER FIXTURE UNTIL ABOVE T-GRID



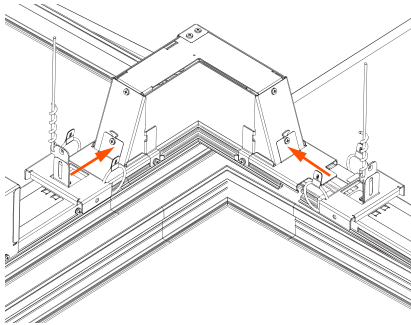
NT2 Corner Driver + Fixture Replacement

3 Remove Corner Fixture

1. Carefully slide the corner fixture off of the ends of the connecting fixtures, one at a time.
2. Once fixtures are apart, carefully pull the through wire harnesses out from the openings of the connecting fixtures and remove the corner fixture.

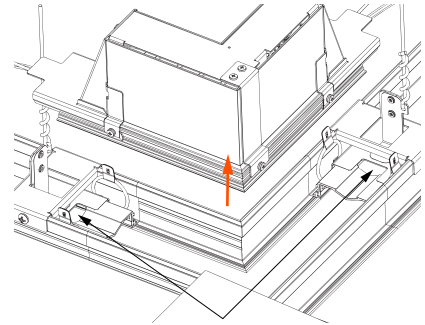
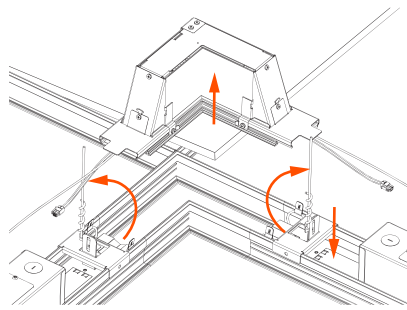
1

CAREFULLY SLIDE CORNER FIXTURE OFF
CONNECTING FIXTURE(S) ONE END AT A TIME



2

CAREFULLY PULL OUT HARNESSES FROM
CONNECTING FIXTURES OPENINGS AND REMOVE



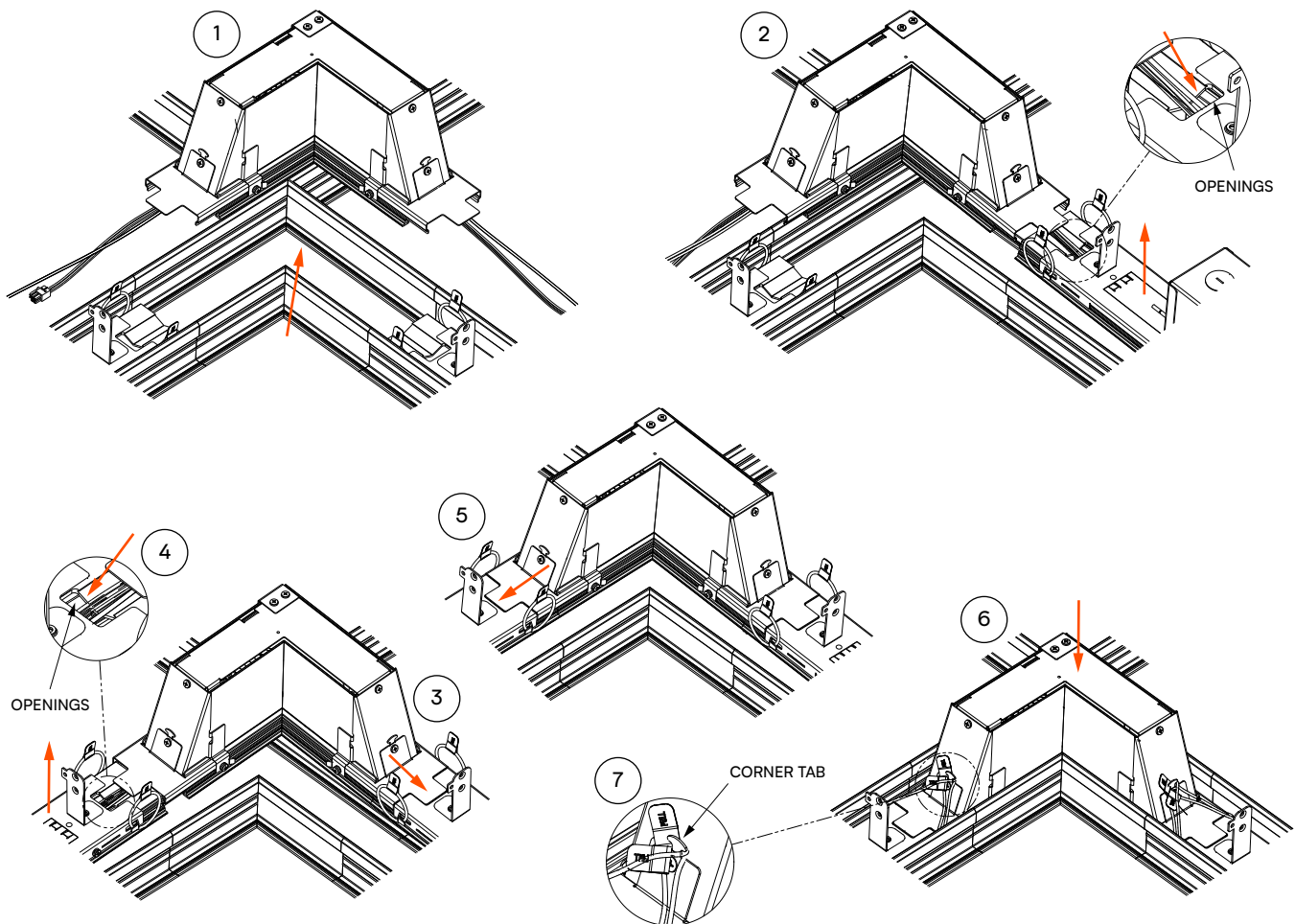
OPENINGS

NT2 Corner Driver + Fixture Replacement

4 Reinstall the New Corner Fixture

1. Raise replacement corner fixture into T-Grid system.
2. Raise the first connecting fixture to the corner fixture to feed corner ground wire and connector harness through the opening.
3. Carefully bring fixtures together to the first connecting fixture. Ensure to not pinch any wires during this step.
4. Raise the second connecting fixture to feed corner ground wire and connector harness through the opening.
5. Carefully bring fixtures together.
6. Lower into opening.
7. Secure fixtures by pulling the o-rings over the corner tab on both sides.

NOTE: Grid brackets and hardware removed for visual clarity of openings.



NT2 Corner Driver + Fixture Replacement

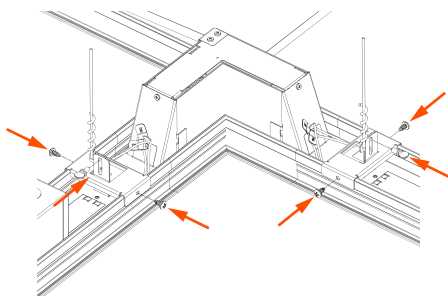
5 Resecure Corner Fixture to T-Grid

1. Reinstall the thumbscrews and mounting bracket hardware to secure the bracket to T-Grid.
2. Reinstall the ceiling tiles.
3. Reconnect the ground wires first for each fixture; reconnect the power through harnesses on both connecting fixtures second.
4. Secure the wires back into the wire retention clips and carefully feed the connected wires back into the driver cavity.
5. Reinstall the access cover plate.

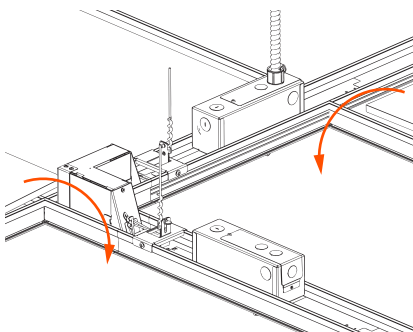
CAUTION! Take care not to trap wires under the cover plate.

6. Secure cover plate in place by hand tightening the retention screw.

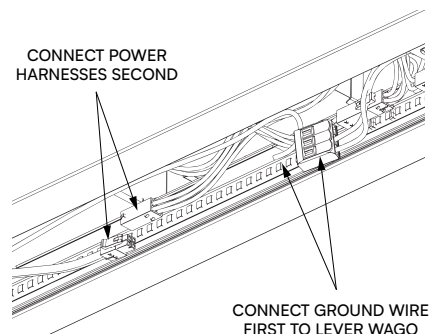
1 REINSTALL MOUNTING HARDWARE AND TIGHTEN THUMB SCREWS



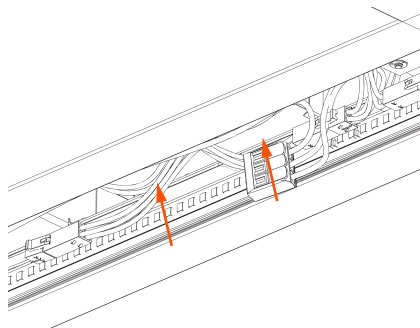
2 REINSTALL CEILING TILES



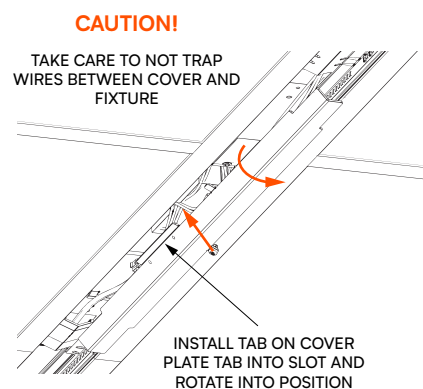
3 RECONNECT GROUND FIRST THEN POWER HARNESS



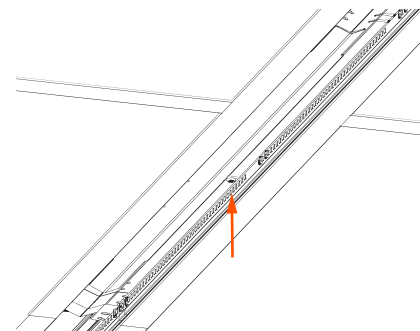
4 FEED CONNECTED WIRES BACK INTO DRIVER CAVITY



5 REINSTALL COVER PLATE



6 HAND TIGHTEN RETENTION SCREW



Ready for lens reinstallation, proceed to **NT2 Lens Reinstallation** section on **Page 27**

NT2 Corner Driver + Fixture Replacement

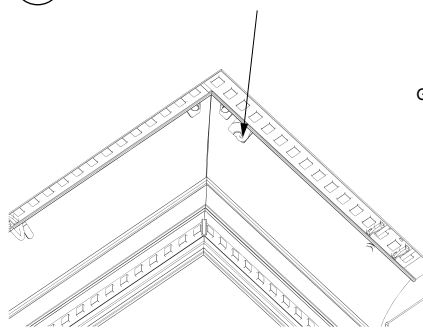
NT2 Driver Replacement Trimless Mud-in (CM)

1 Prepare and Lower Corner Driver Cavity Assembly

NOTE: Before proceeding refer to **Steps 1 (Page 2)** and **Step 2 (Page 3)** on steps to remove the lenses to access the corner fixtures driver cavity assembly. Once ready, return and continue next.

- Carefully fish suspension cable from behind the reflector.
- Gently remove the first reflector at the suspension cable.
- Remove the two reflectors on the long side of the corner to gain access to the 3 x No. 2 Phillips screws.
- Remove screws and pull release plunger on gripper to free cable to lower driver cavity assembly.
- Carefully and gently lower the assembly to a safe working height to disconnect the lever-WAGOs from the wire harnesses on each end. (**Tip:** Snap a few photos of the wiring cavity for reference)
- Disconnect the DC (black "+") and (red "-") wires from the lever-WAGOs connected to the DC wires from the driver.

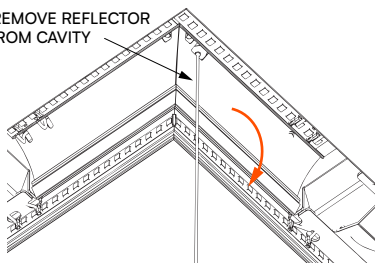
1 CAREFULLY FISH SUSPENSION CABLE OUT FROM BEHIND REFLECTOR



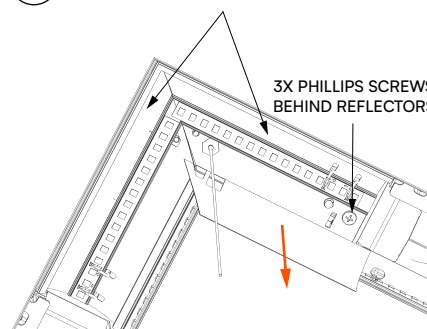
2 WITH CABLE FREE REMOVE GENTLY AND CAREFULLY REMOVE THE REFLECTOR

CAUTION!

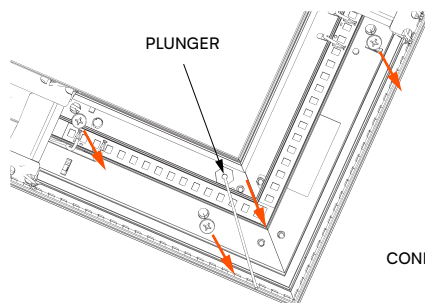
GENTLY REMOVE REFLECTOR FROM CAVITY



3 REMOVE THE TWO LONG REFLECTORS ON THE OUTSIDE EDGES TO ACCESS SCREWS



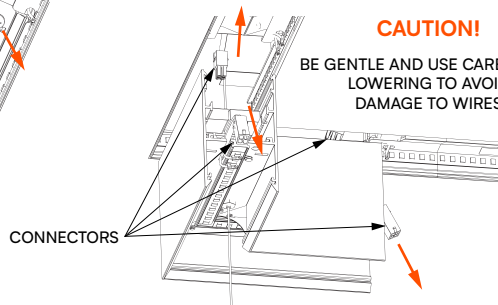
4 REMOVE THE 3 SCREWS. NEXT PULL PLUNGER ON CABLE GRIPPER TO RELEASE CABLE AND CAREFULLY LOWER ASSEMBLY



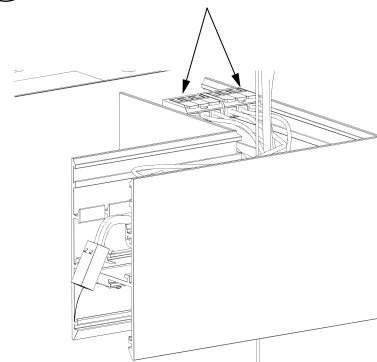
5 CAREFULLY LOWER ASSEMBLY TO A SAFE WORKING HEIGHT. DISCONNECT THE HARNESSES FROM THE PASS THROUGH HARNESSES

CAUTION!

BE GENTLE AND USE CARE WHEN LOWERING TO AVOID DAMAGE TO WIRES



6 DISCONNECT DC WIRES FROM LEVER-WAGO CONNECTED TO DRIVER DC TERMINALS



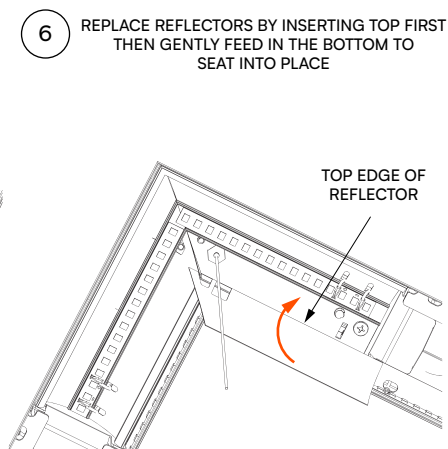
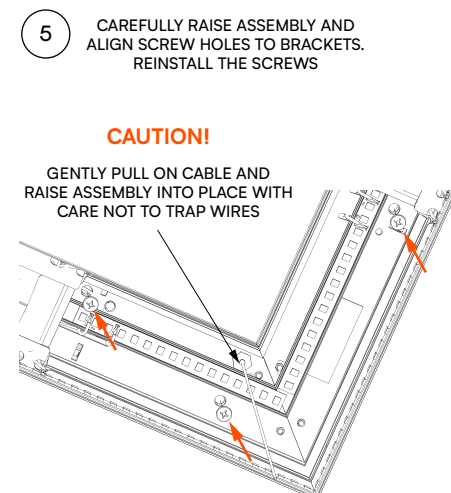
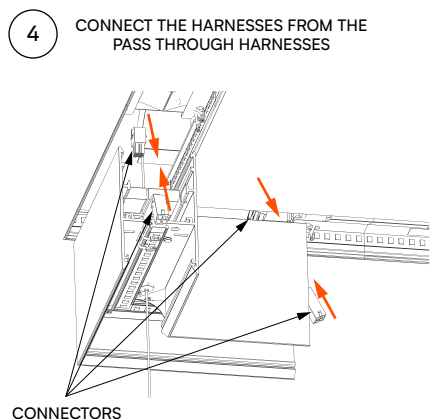
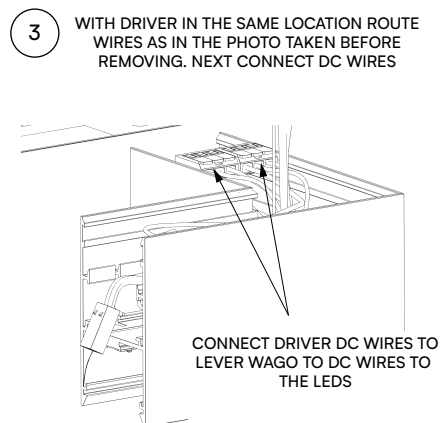
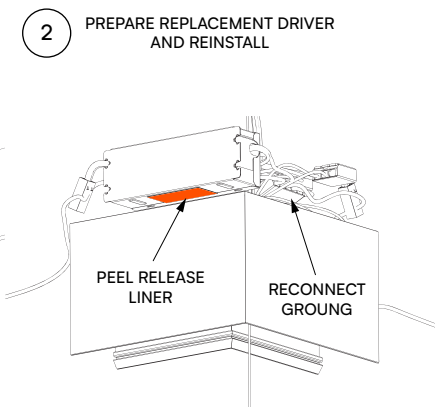
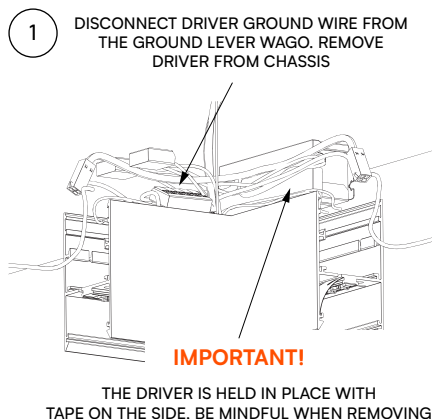
TIP:

SNAP A PHOTO OF THE WIRE CAVITY PRIOR TO DISCONNECT TO USE AS A REFERENCE WHEN REINSTALLING THE REPLACEMENT DRIVER AND WIRES

NT2 Corner Driver + Fixture Replacement

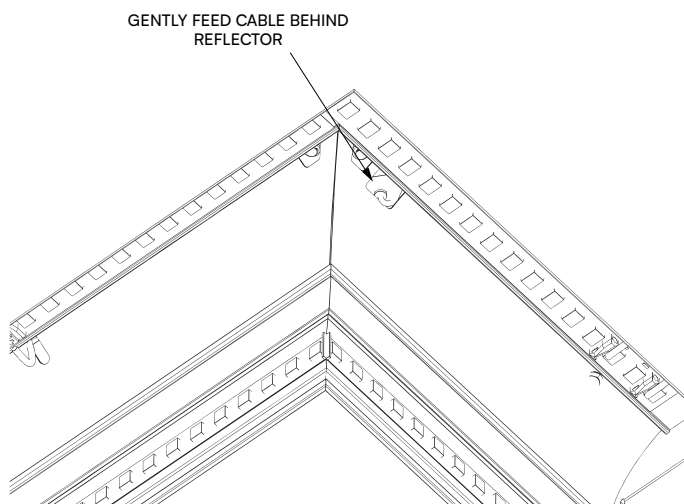
2 Replace Driver and Reinstall Corner Driver Assembly

1. Disconnect the ground wire from the driver connected to the ground wire lever-WAGO and remove faulty driver.
2. Prepare replacement driver, first reconnect ground wires, then peel release liner on tape on driver and reinstall driver.
3. Once the driver is installed in the same location as before, connect DC wires back onto the lever-WAGOs.
4. Reconnect the lever-WAGOs to the wire harnesses that are connected on each end.
5. Carefully raise the fixture back into the pocket by gently pulling on the suspension cable. Raise into place and align the screw holes. Hand tighten screws to secure in place.
CAUTION! Be mindful of the wires and ensure not to trap or pinch any wires while raising into place. It is important to route the wires to clear the area around the center Philips screw location. Reference the photo taken of the wire routing in the previous step.
6. Reinstall the reflectors by installing the top edge of the reflector below the LED tape shelf and gently feed the bottom into the lower ledge to seat into place.



NT2 Corner Driver + Fixture Replacement

3 Feed Suspension Cable Behind Corner Reflector



Ready for lens reinstallation, proceed to **NT2 Lens Reinstallation** section on **Page 27**

NT2 Corner Driver + Fixture Replacement

NT2 Lens Reinstallation

1 Reinstall the Lens Straight Segment

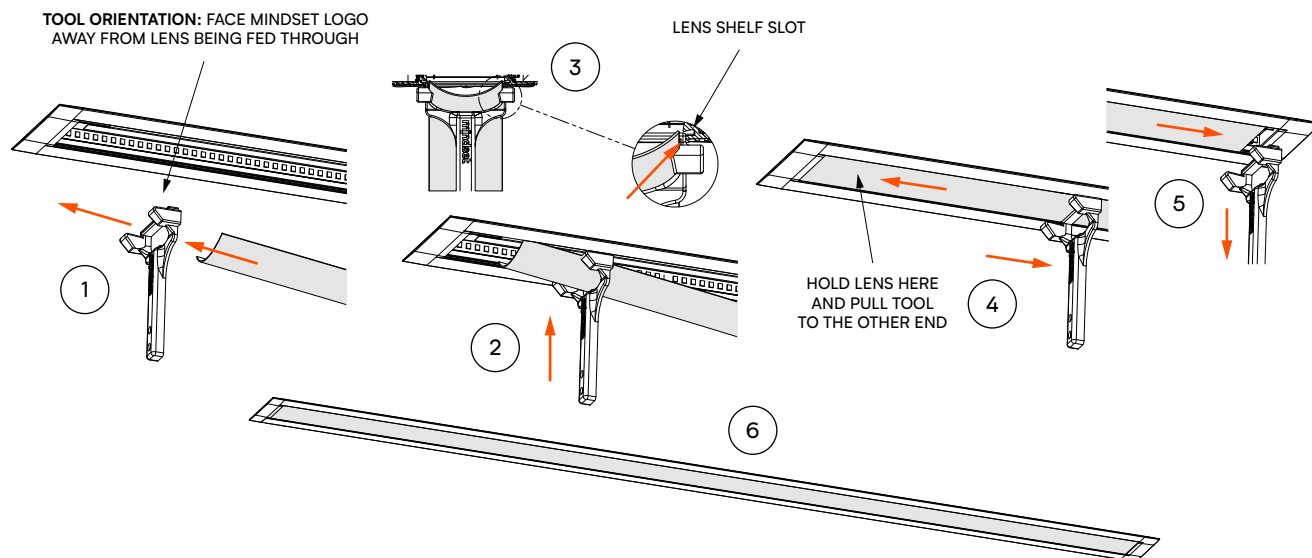
Gather lens and lens installation tool.

1. Take one end of the lens and bend with your hands and feed through the install tool.

NOTE: The orientation of the tool is important — see image in Step 1.

2. Allow for ~4 inches of the bent lens to pass through the tool to provide enough length for the lens to feed into the shelf.
3. Raise to fixture aperture and insert lens into lens shelf slots.
4. Hold the lens and push the lens tool into aperture and slide the tool along the trim face. The lens will feed into the shelf pocket.
5. Slide to the opposite end.
6. Once at the end slide the lens into the expansion pocket in the starter endcap, this will allow the tool to slide off the lens and be removed. Center lens and finished.

NOTE: Trim version shown for reference. All Interspace surface types follow the same steps to reinstall the lenses.



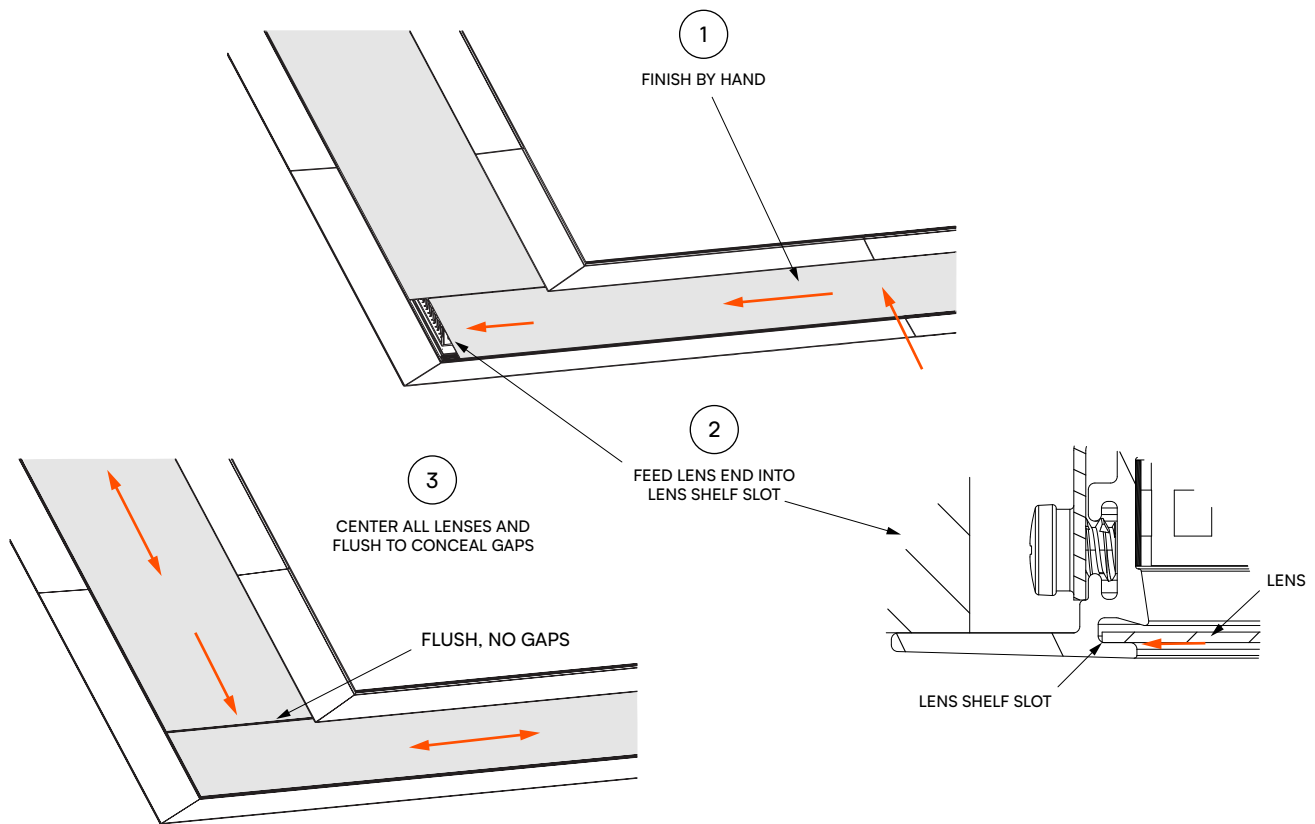
NT2 Corner Driver + Fixture Replacement

2 Reinstall the Lens Corner Segment

Gather lens and lens installation tool.

1. Reinstall lens if not fully removed gently raise lens back into place.
2. Finish installing lens by hand and feed into lens shelf slot.
3. Flush up the lenses to ensure no gaps are visible.

NOTE: Trim version shown for reference. All Interspace surface types follow the same steps to reinstall the lenses.



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