**TruGroove Suspended**

**Installation Instructions**

**Direct/Indirect and Direct**

**System Overview**

These instructions review how to install TruGroove suspended fixtures. TruGroove 4ft, 6ft and 8ft modules can be installed as individual standalone units, or they can be joined together to create continuous runs. The graphics below show the components required to install a typical run of TruGroove suspended fixtures. **IMPORTANT:** Read all instructions before beginning installation.

---

**TruGroove Endcap Kit(s)**
- TG D/I endcap (x1)
- Sling cable assembly (x1)
- #8 sheet metal screws (x2)
- #8-32 x 5/16” hex screw (x2)
- Cable Strain Relief (x1) (Heyco #7418)
- 1/2” Bushing (x1)
- 1/2” Plug (x1)

**TruGroove Joint Kit(s)**
- Sling cable assembly (x1)
- Joiner aligner (x2)
- Joiner biscuits (x2)
- #8 sheet metal screws (x2)
- #10-32 x 3/4” (x2)
- #10-32 hex lock nut (x2)
- Cable Strain Relief (x1) (Heyco #7418)
- 1/2” Bushing (x1)
- 1/2” Plug (x1)

**Module Lengths**

TruGroove suspended fixtures come in 4ft, 6ft and 8ft modules. Overall module lengths are shown below. Add 0.2” for each endcap for accurate run length.

- **48”**
  - 4FT Module
- **72”**
  - 6FT Module
- **96”**
  - 8FT Module

---

**Tools Required:**
- 1/4” Nut Driver
- 3/8” Nut Driver
- Phillips Screwdriver
- Flat or #2 Robertson Screwdriver

**Mount Spacing**

TruGroove fixture modules are designed for exact on-grid mounting. For non-accessible ceilings, mounts are adjustable within 5” of each module end.

Mounts are adjustable to within 5” of module end(s).

---

**ATTENTION:** Install in accordance with national and local building and electrical codes.
1. Arrange boxed fixture on floor in specified mounting location, remove fixtures from boxes. Install all ceiling mounting components and vertical aircraft cables using separate installation instruction for Aircraft Cable Mounting (supplied).

2a. Lens Removal
Symmetric Cross Section

- Remove lens from fixture and set aside until fixture installation is complete. Use cotton gloves to handle lenses and keep in a clean environment. Note: Do not mix symmetric fixture lenses with asymmetric fixture types as they are different.

2b. Lens Removal
Asymmetric Cross Section

- With module 1 on the ground, slide sling cable assembly into top fixture screw chase on both ends of the fixture.

3. Sling Mount Installation
Factory screws

- Attach #8 sheet metal screws to secure sling cable assemblies to housing during assembly process.

4. Sling Mount Installation
Locking screws

- Install and crimp provided cable metal strain relief bushing to secure power cord below fixture reflector. Use the Heyco PN0019(R12) crimping tool to ensure proper installation. If installing a standalone fixture, skip to step 13.

5. Fixture Suspension
Vertical Aircraft Cable

- Determine power feed location and open ½” electrical knockout at required end. Install ½” bushing from inside fixture as shown. Feed power cord from above into fixture wiring cavity.

6. Power Cord Installation
1/2” Bushing

- Raise fixture to installed level and insert vertical aircraft cable inside sling cable assembly. Ensure end of aircraft cable exits from sling cable assembly as shown.

7. Power Cord Installation
Cable Strain Relief

- With module 2 on the ground, tap biscuit aligners inside top screw chase. Ensure biscuit aligners are inserted more than half way inside fixture housing. Insert joiner aligners inside lower screw chase as shown. Ensure orientation is correct for locking tab to engage and lock inside fixture bracket.

8. Fixture Joining
Joiner Biscuits

- Ensure that the fixture is level and adjust as necessary. With module 2 on the ground, slide fixture suspension joiner aligners into the fixture as shown.
ATTENTION: Install in accordance with national and local building and electrical codes.
ATTENTION: Install in accordance with national and local building and electrical codes.

15c Corner Installation
Asymmetric Outside Cross Section

Graphic above shows the outside asymmetric corner cross-section. This corner directs all lower light toward the outside of the corner. Refer to supplied layout drawings for required corner orientation (direction of light) and mounting locations.

16 Corner Installation

- To install a corner module, begin at step 3 of these instructions.
- Follow the rest of the steps as required to attach power feed, join additional fixtures or attach endcaps.

17 Closed Pattern Installation

If installing a square or rectangular closed pattern, it is recommended to install opposite U-shaped fixture/corner patterns first and complete the installation by bringing U-shaped sections together as shown.

18 Finishing

- Ensure all fixtures and corners are level and in line with each other.
- For on-grid mounting or as required, remove locking screws installed in step 4 to bring vertical aircraft cable to level.
- Trim excess vertical aircraft cable installed in step 5.
- If horizontal leveling is required, loosen adjustment screw shown in step 5, level fixture and re-tighten screw.
- Check that all joint or endcap screws are installed and all seams are tight.
- Use spare 1/2” plug(s) provided to close any open 1/2” electrical knockout location(s) in top reflector.

19 Fixture Lens Installation

Install lenses removed in step 1 by snapping inside extrusion housing. Installation Tip: For easier installation, start at a housing end or a joint by squeezing lens in slightly from both sides and guiding inside housing.

20 Corner Lens Installation

In continuous runs requiring corners, refer to supplied layout drawings for lens type required and lens location. Note: Corner run lenses ship separately and are specifically made for corner configurations. Installation Tip: For easier installation of corner lenses, start at the corner and work outward to complete the run.
System Overview

These instructions review how to install TruGroove suspended fixtures. TruGroove 4ft, 6ft and 8ft modules can be installed as individual standalone units, or they can be joined together to create continuous runs. The graphics below show the components required to install a typical run of TruGroove suspended fixtures. **IMPORTANT: Read all instructions before beginning installation.**

**TruGroove Endcap Kit(s)**
- TG Indirect endcap (x1)
- Sling cable assembly (x1)
- #8 sheet metal screws (x2)
- Cable Strain Relief (x1) (Heyco #7418)
- 1/2" Bushing (x1)
- 1/2" Plug (x1)

**Module Lengths**
TruGroove suspended fixtures come in 4ft, 6ft and 8ft modules. Overall module lengths are shown below. Add 0.2" for each endcap for accurate run length.

<table>
<thead>
<tr>
<th>Length</th>
<th>Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot;</td>
<td>4FT Module</td>
</tr>
<tr>
<td>72&quot;</td>
<td>6FT Module</td>
</tr>
<tr>
<td>96&quot;</td>
<td>8FT Module</td>
</tr>
</tbody>
</table>

**Tools Required:**
- 1/4" Nut Driver
- 3/8" Nut Driver
- Phillips Screwdriver
- Flat or #2 Robertson Screwdriver

**Mount Spacing**
TruGroove fixture modules are designed for exact on-grid mounting. For non-accessible ceilings, mounts are adjustable within 5" of each module end.

Mounts are adjustable to within 5" of module end(s).
ATTENTION: Install in accordance with national and local building and electrical codes.

1. Arrange boxed fixture on floor in specified mounting location, remove fixtures from boxes. Install all ceiling mounting components and vertical aircraft cables using separate installation instruction for Aircraft Cable Mounting (supplied).

2. Sling Mount Installation

   With module 1 on the ground, slide sling cable assembly into top fixture screw chase on both ends of the fixture.

3. Sling Mount Installation

   Attach #8 sheet metal screws to secure sling cable assemblies to housing during assembly process.

4. Fixture Suspension

   Raise fixture to installed level and insert vertical aircraft cable inside sling cable assembly. Ensure end of aircraft cable exits from sling cable assembly as shown.

5. Power Cord Installation

   Determine power feed location and open ½” electrical knockout at required end. Install ½” bushing from inside fixture as shown. Feed power cord from above into fixture wiring cavity.

6. Power Cord Installation

   Install and crimp provided cable metal strain relief bushing to secure power cord below fixture reflector. Use the Heyco PN0019(R12) crimping tool to ensure proper installation. If installing a standalone fixture, skip to step 16.

7. Fixture Joining

   Slide joiner bracket into fixture bracket until it locks in position. Push in 1/2” knockout in top reflector.

8. Fixture Joining

   With module 2 on the ground, tap biscuit aligners inside top screw chase. Ensure biscuit aligners are inserted more than half way inside fixture housing.

9. Fixture Joining

   Raise Module 2 to installed module 1 position.
ATTENTION: Install in accordance with national and local building and electrical codes.

10. Insert 5/16” nut driver through 1/2” hole in top of reflector and tighten screw. Check that joint seam is tight.

11. Bring modules together and engage joiner bracket in module 1 on fixture bracket in module 2. Ensure slots in module 2 fixture bracket lock on hooks of module 1 joiner bracket.

12. Module 1
Module 2

Quick-wire connectors (supplied)

Important: Use Wire Nuts (Supplied By Others) At Power Feed Location

With fixtures modules supporting each other, complete wiring connections between modules.

13. Ensure all connections are secure and all wires are neatly tucked inside fixture wiring cavity. Slide fixture modules together gently.

14. Fixture Joining

15. Fixture Joining

1/2” Plug

After joint is tightened insert 1/2” plug provided to seal top reflector.

16. Endcap Installation

Push in Knockout

Push in and break off 1/2” knockout in top reflector.

17. Endcap Installation

Slide endcap towards fixture bracket until it engages and clicks in place.
ATTENTION: Install in accordance with national and local building and electrical codes.

To install a corner module, begin at step 3 of these instructions.

Follow the rest of the steps as required to attach power feed, join additional fixtures or attach endcaps.

Ensure all fixtures and corners are level and in line with each other.

For on-grid mounting or as required, remove locking screws installed in step 4 to bring vertical aircraft cable to level.

Trim excess vertical aircraft cable installed in step 5.

If horizontal leveling is required, loosen adjustment screw shown in step 5, level fixture and re-tighten screw.

Check that all joint or endcap screws are installed and all seams are tight.

Use spare 1/2" plug(s) provided to close any open 1/2" electrical knockout location(s) in top reflector.

If installing a square or rectangular closed pattern, it is recommended to install opposite U-shaped fixture/corner patterns first and complete the installation by bringing U-shaped sections to-