System Overview

These instructions review how to install drywall trim versions of TruGroove recessed fixtures. Please refer to layout drawings supplied by Philips Ledalite in conjunction with these installation instructions. The graphic below shows the components required to install a run of TruGroove fixtures in drywall ceilings.

Tools Required:
- Phillips screwdriver
- 5/16 nutdriver

Joint Kit(s):
- 2 Joiner Aligners
- 2 Joining Brackets
- 4 Hex Bolts

*NOTE: One kit required for each joint.

Module 1

Factory pre-installed mud flange

Module 2

Exterior lens kits -variable lengths (shipped separately)

Joint Kit(s)*: Continuous Row Fixtures
- Joiner Aligners (x2)
- Joining Brackets (x2)
- Hex Bolts (x4)

*NOTE: One kit required for each joint.

Tools Required: Phillips screwdriver, 5/16 nut driver.
Framing & Drywall Notes

**IMPORTANT**
- Channels (or equivalent) must be properly braced to ensure accuracy of cutout in drywall.
- Use appropriate tools to outline specified dimensions of ceiling cut-out to ensure straightness of cutting.
- Lens will not insert properly if fixture trim has mud or paint build-up.

**Ceiling Cut-out Details**

![Cut-out Diagram]

**IMPORTANT**
- The straightness and accuracy of the cut-out in the drywall is crucial in ensuring proper fit for the fixture.
- The cut-out MUST fall within the specified tolerances.

**NOTE:** TruGroove modules are designed for installation after ceiling construction.

### Prepare Ceiling: Standalone Units

1. Determine fixture location and fixture type. Refer to figure A for fixture length and mount locations. Install A3 mount brackets and suspension cables supplied as shown on page 3.
2. Determine power feed location(s) - refer to figure A. Install power feeds as required and drop below installed ceiling height.
3. Build ceiling frame around fixture cutout to 3 7/8 to 4 width as shown in figure A and required cut-out length.

### Ceiling Dimensions: Standalone Units

For standalone units, the cut-out in the drywall ceiling should fall within the tolerances shown below.

- **Cutout Width:** Min 3-7/8 max 4
- **Cutout Length:**
  - 2ft: 23-7/8 + 1/4
  - 4ft: 47-3/4 + 1/4
  - 8ft: 95-5/8 + 1/4

**Important:** For 2ft standalone fixtures, end framing members must be installed 1 beyond ceiling cut-out.

### Prepare Ceiling: Continuous Runs

1. Determine fixture location and fixture type. Refer to figure B for specific mount locations. Also see layout drawings provided. Install A3 mount brackets and suspension cables supplied as shown on page 3.
2. Determine power feed location(s) - refer to layout drawings. Install power feeds as required and drop below installed ceiling height.
3. Build ceiling frame around fixture cutout to 3 7/8 to 4 width as shown in figure B. Refer to layout drawings for overall ceiling frame length.

### Ceiling Dimensions: Continuous Runs

For continuous run fixtures, the cut-out in the drywall ceiling should be the same size as the overall fixture run length indicated in your layout drawings + 1/4.

**AVOID**

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**ATTENTION:** Install in accordance with national and local building and electrical codes.

**Installation Instructions**

**ID-39 TruGroove Drywall Trim**

**Drywall Ceiling**

Standalone or continuous run configurations

1. **A3 Mount Installation**
   - Install mounting brackets, suspension cables and power feed(s) at required locations. Refer to A3 mounting instructions enclosed.

2. **Install Mounts and Power Cables**
   - Install a C channel perimeter around the ceiling cutout.
   - Important: See ceiling cutout details on page 2.

3. **Install Drywall Ceiling**
   - Install drywall ceiling and cut required opening as shown in figure A or figure B on page 1.

4. **Prepare Fixtures / Reference Layout Drawings**
   - Arrange boxed fixtures on floor in specified mounting locations, based on supplied layout drawings. Match up each fixture based on the spec tag and ID number labelled on each fixture box for the specified run.

5a. **Insert Aircraft Cable**
   - Suspend each module by inserting the aircraft cables through the grippers on top of the housing.

5b. **Raise Fixture**
   - Gradually lift each module to approximately 12 inches below the ceiling.

6. **Remove Cover and Feed through Power Wire**
   - At the power location(s), remove factory installed wire cover. Feed power wires through. Complete all wiring connections.

7. **Re-install Wire Cover**
   - Re-install wire cover and slide to lock.
Install Joiner Brackets
(Continuous Row Fixtures)

Install joiner brackets on each side of the housing using supplied hardware.

Important: Hand tighten bracket screws while supporting the housing on the opposite side. Gradually alternate sides while tightening. Do not overtighten.

Raise Fixtures(s) into Ceiling Cut-out

Slowly raise the modules into the ceiling cutout.

Important: For continuous row modules, start at one end and gradually raise each module up one inch at a time. Repeat process until housing is fully recessed and housing trim touches drywall ceiling. Do not stress the joint connection by tilting the module, as damage can occur.

Trim Excess Cable

Trim suspension cable approximately 8 inches below the ceiling level. Tuck all excess cable inside the upper wiring cavity.

Fluorescent Versions ONLY: Secure Lampholder Brackets

At joint locations, tuck wires inside housing and secure lampholder brackets using supplied hardware. Ensure brackets sit flush with bottom reflectors for proper lamp fit.

ATTENTION: Install in accordance with national and local building and electrical codes.
Installation Instructions
ID-39_Trugroove_Drywall_Trim

Drywall Ceiling
Standalone or continuous run configurations

LED Versions ONLY: Secure LED Joint Cover
At joint locations, secure joint covers using supplied hardware. Ensure cover plates sit flush with bottom reflectors for proper LED board fit.

Note: When a second screw attachment is not available, bend end of cover plate over at slot location, so it sits flush against the back.

15 Remove Spacers
Rotate spacers in direction of arrows and remove.

16 Install Lamps
Install lamps if required.
LEDs are factory pre-installed.
Note: Lamps are staggered in some configurations.

19 Install Lens
Flush Lens: Snap in lens to insert into fixture.
Regressed Lens: Angle lens to insert into fixture. Lay lens on aluminum extrusion flange.
Note: Please refer to layout drawing and match up each lens based on the ID number.

Maintenance Note: Lens Removal
To remove snap-in lens for maintenance purposes, insert a flat, smooth edged object between lens and housing. Twist to release pressure and remove lens.

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