

Drywall Linear Lighting

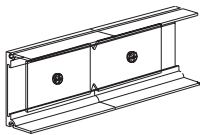
4 Step Installation

STEP 1:

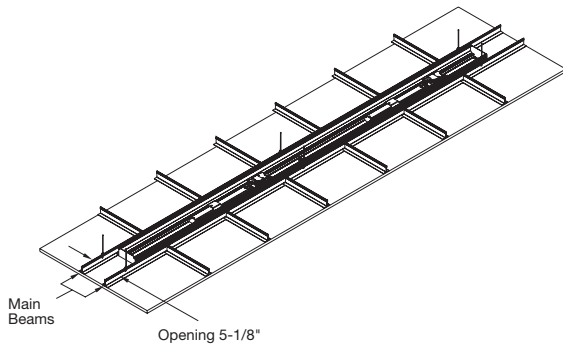
Drywall Grid System will be installed in a typical manner with main beams 4' on-center and 48" cross tees 16" or 24" on-center as usual. This fixture kit is made to receive 5/8" drywall.

It is best to account for the linear lighting layout as you install your grid the first time. The linear lights are "housed" within the normal 48" on-center main beam spacing. Two main beams will flank either side of the fixture kit and the fixture kit will be screwed in to the main beam flanges. The main beams will require hanger wires 48" on center. There are no required hanger wires on the fixture kit itself. The flange to flange opening between main beams should be 5-1/8".

For long continuous runs of a fixture, the Axiom Splice Plate (AXSPlice) can be used to connect fixture kits.



For short non-continuous runs of a fixture, like 48" lights, you will need a 48" length opening since the housing is 47.44". For this, you can cut a piece of main since a 48" cross tee will not be long enough.



STEP 2:

The fixture kit is shipped pre-assembled.

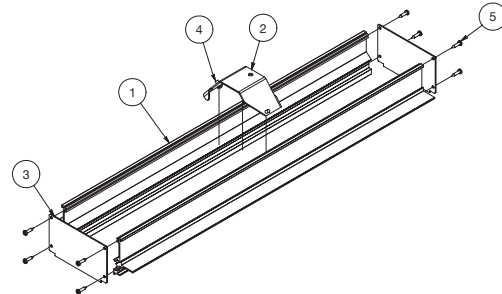
Trim Kit Components Included

1. Aluminum Extrusions (2)
2. Connector Bracket (varies)
3. End Plates (2)
4. #8-32 x 5/16" Pan Head Machine Screws
5. #6-20 x 5/8" Pan Head Sharp Point Screws

NOTE: Refer to the Drywall/Stucco/Plaster – Flat Ceilings Data Page (BPCS-3081) to view additional components needed.

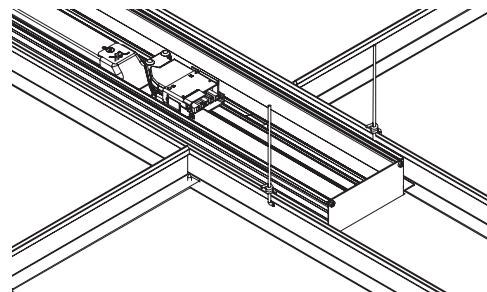
Installing the Fixture Kit from Above

The preferred method of installation is from above before the drywall has been installed. The kit flange can be screwed in to the drywall grid flange. **NOTE:** Use 1-1/4" (6#) self-tapping screws when screwing kit flange into drywall grid flange.



If drywall is already installed, take care to mark fixture openings on the face of the drywall for future rotozipping of the fixture opening. The fixture kit can then be installed from above and the fixture can be screwed in to the drywall grid flange.

NOTE: Use 1-1/4" (6#) self-tapping screws when screwing kit flange into drywall grid flange. In this instance, the drywall will be penetrated with a screw. Over-tightening of the screw can cause the drywall to crack.



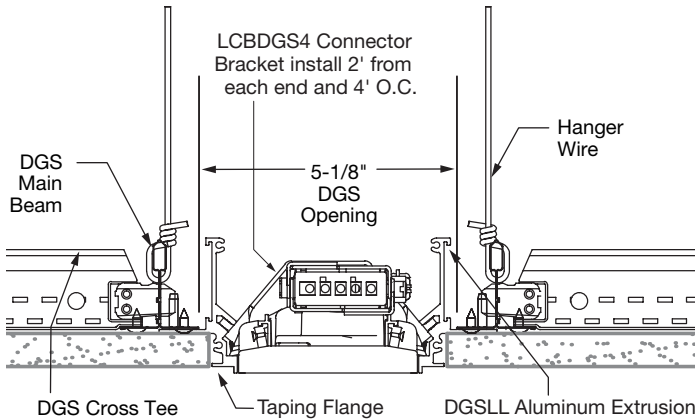
Kit Openings for Rotozipping

Kit Size	Width Opening (in.)	Length Opening (in.)
2'	4-1/2"	23-5/8"
2'-6"	4-1/2"	29-5/8"
4'	4-1/2"	47-5/8"
5'	4-1/2"	59-5/8"
6'	4-1/2"	71-5/8"
7'-6"	4-1/2"	89-5/8"
8'	4-1/2"	95-5/8"
10'	4-1/2"	119-5/8"

Continuous Fixture Runs

When linking fixtures in a continuous run, a field measurement must be taken prior to installing the last run to account for fixture tolerances. The last kit will have to be field cut. These cuts are best made using an appropriately sized sliding compound miter saw fitted with a carbide-tipped blade designed for cutting non-ferrous metals.

For example, if a 36' run of fixtures is to be installed using (3) 10' continuous light kits and (1) 6' continuous light kit, an installed field length measurement must be taken prior to installing the 6' run in order to determine if the kit must be cut to accommodate the remaining length of fixture needed.



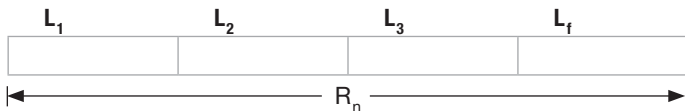
Generic Calculation:

$$L_f = R_n - (L_1 + L_2 + L_3 + \dots) - 9/16''$$

L_f = Length of final kit to be installed (may need to field cut)

R_n = Nominal length of fixture run (i.e. 36')

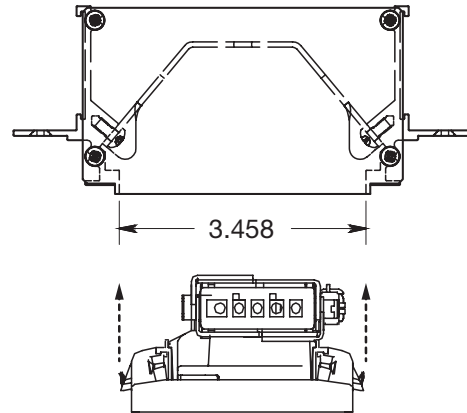
$L_1 + L_2 + L_3$ = Installed measured length of individual fixture kit



$$L_f = R_n - (L_1 + L_2 + L_3) - 9/16''$$

STEP 3:

Apply mud, tape and then sand and paint. The trim kit does not need any additional taping flanges. A non-tapered (butt) edge would integrate best with the light fixture kit. The aluminum edge is designed to accept mud and drywall up to the edge of the profile.



STEP 4:

Once the housing and drywall have been installed the XAL or Axis Click light fixture will be set into place from below. For additional information on partner light fixtures, visit: xalusa.com and axislighting.com.

NOTE: As with our Steel Transitions, mesh or paper tape can be used to ensure cracking doesn't occur.



MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 276 7876 or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit armstrongceilings.com/linearlighting.

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