

AXIOM® Indirect Field Light Coves

Assembly and Installation Instructions

1. GENERAL

1.1 Product Description

The Axiom® Indirect Field Light Cove System is a pre-engineered lighting solution designed to be used at a ceiling-to-wall condition or a ceiling-to-ceiling transition and integrate with Armstrong® Ceilings acoustical or drywall ceiling systems. The system consists of an extruded aluminum component and a brake-formed sheet metal component, which integrates with Armstrong® drywall grid and drywall to create the vertical leg of the light cove. Axiom Indirect Field Light Coves are designed with or without a notched channel. The notched channel design allows for perfect integration with Axis Lighting, Litecontrol, or Vode® Lighting. Keyless and curved light coves do not have key notches to allow the lights to be placed independently.

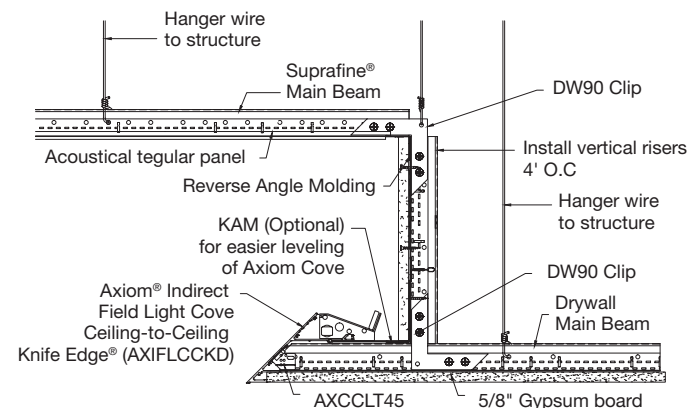
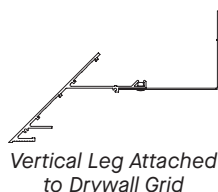
NOTE: Axiom Indirect Field Light Coves with notched channel are designed to integrate with Axis CovePerfekt™, or Vode® ZipWave™ | LED | 707 light fixtures only. All figures in these instructions are depicting the notched channel fixtures only.

Component Description:

Axiom Indirect Field Light Coves:

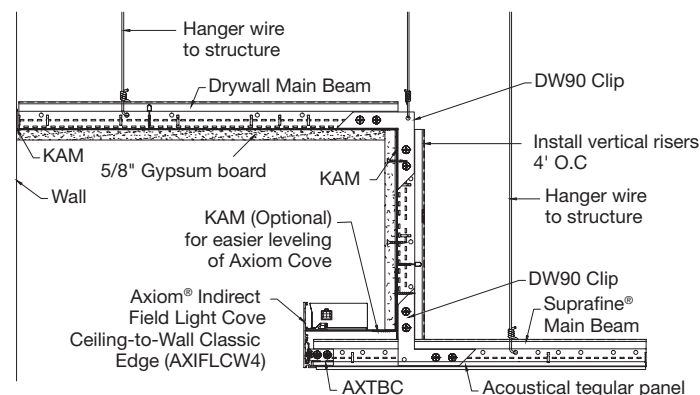
Extruded aluminum face, factory-assembled with rigid sheet aluminum, creates a vertical leg, and forms an indirect light cove with distinct forming 2-sided light cove at the wall or at a ceiling-to-ceiling transition. Special bosses are provided to connect AXTBC T-Bar Connector Clips and AX4SPlice Splice Plates to provide positive attachment with no visible fasteners. There are two profile designs with face edge options to accommodate acoustical or drywall ceiling integration. Axiom® Knife Edge® Trim can be ordered with an acoustical or drywall flange, while Axiom® Classic Trim is only available with an acoustical flange. (Figs 1 - 3)

NOTE: The Axiom Bottom Trim piece allows for easy drywall integration into Axiom Classic Trim.



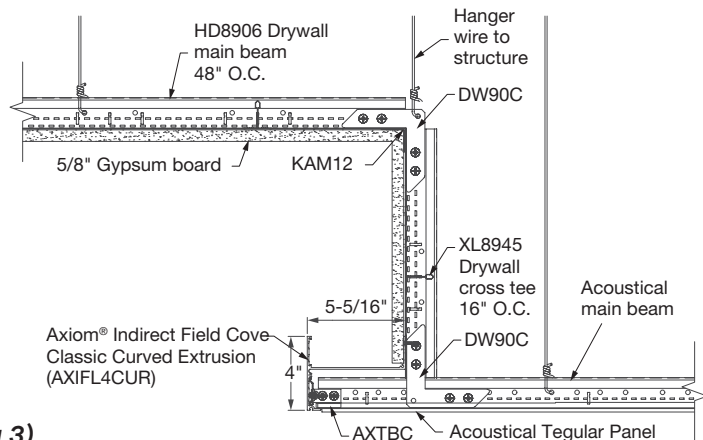
(Fig 1)

Ceiling-to-Ceiling Knife Edge®



(Fig 2)

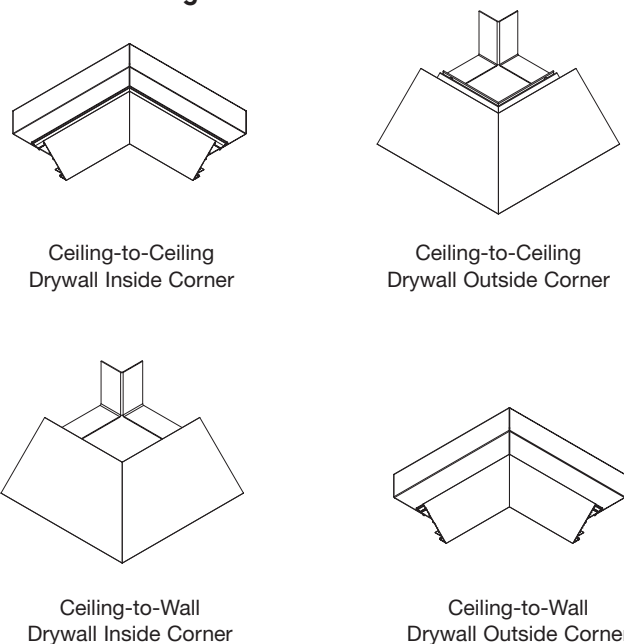
Ceiling-to-Wall Classic Knife Edge



(Fig 3)

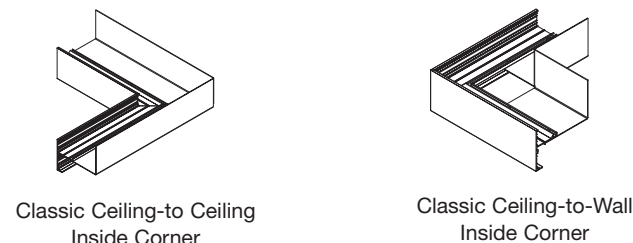
Axiom® Indirect Field Light Cove Corners can be ordered in both Knife Edge® and Classic Trim for both the ceiling-to-wall and the ceiling-to-ceiling coves as well as all keyless options. Pre-made factory-finished inside and outside corners are made to coordinate with the straight Indirect Field Light Cove sections. Each corner section is 12" x 12" square (dimension taken on the face of the extrusion). (Figs 4 & 5)

Corners for Knife Edge® Profiles



(Fig 4)

Corners for Classic Profiles



(Fig 5)

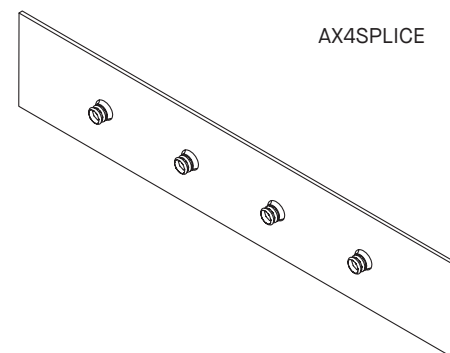
2. MATERIAL DELIVERY AND IDENTIFICATION

Axiom Indirect Field Light Coves are packaged and shipped in the quantities ordered. All hardware and instructions for assembly are included in the packaging. Custom projects may include shop drawings as well. Identify all parts listed in the drawings, and verify they are delivered to the site before starting the installation. Exercise care to protect the finished surfaces of the trim.

3. COMPONENT ASSEMBLY

3.1 Splice Plates

Steel splice plates are used to align and secure joints between sections of the light cove trim. Each joint requires a splice plate at every set of bosses for proper trim alignment. Join straight sections of cove together using the AX4SPLICE Splice Plate. Splice plates are secured to the trim sections using factory-installed set screws. A 1/8" hex key is included with the hardware. (Fig 6)



(Fig 6)

NOTE: Splice plates can slide completely into the channel bosses and then slide into the adjoining section after the cove is aligned. This aids splice plate connections for the last piece.

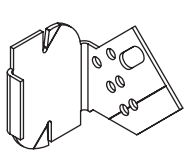
3.2 T-Bar Connector Clips

There are two versions of the T-Bar Connector Clip:

1. AXTBC is used with drywall, lay-in, Tegular, concealed tile, and installations of Vector® panels that are FULL or Made-to-Order. These are INCLUDED with each shipment.
2. AXCCLT45 is used with Axiom® Knife Edge® Light Cove Trim.

T-Bar Connector Clips are attached to suspension system members using screws supplied by the installer. Framing screws (#6 × 7/16" or 1/2" long) are typical.

See general installation instructions for alignment of AXTBC or AXCCLT45 Connector Clip to the suspension system member. **(Figs 7 & 8)**



AXCCLT45: Used with Axiom® Knife Edge® Trim

(Fig 7)

Typical Procedure

1. Cut suspension system to length.
2. Attach AXTBC Clip to suspension system member.
3. Engage AXTBC Clip in channel bosses and tighten locking screw.

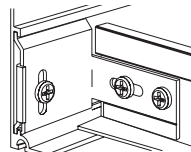
NOTE: For Axiom® Knife Edge® Trim, use the AXCCLT45 Clip.

See Section 5.1 (Attaching to Suspension System) for alignment and installation methods for the AXTBC Clip and associated suspension system components.

3.3 Drywall Trim

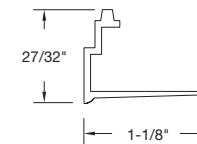
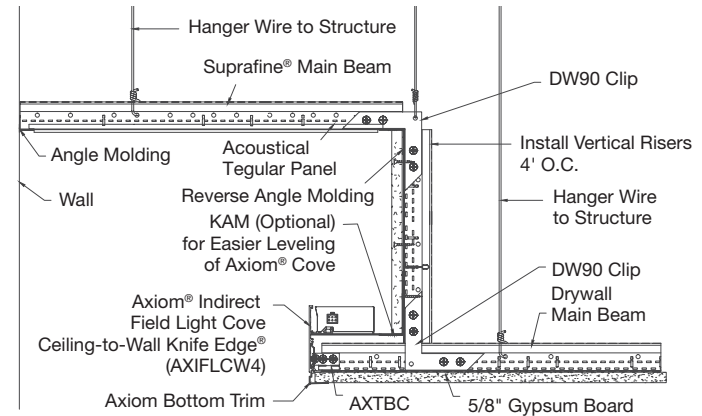
Add Drywall Bottom Trim (AXBTSTR) to finish the edges of 5/8" drywall and to the bottom surface of the Axiom Indirect Field Light Cove with classic face detail. **(Fig 9)**

NOTE: For drywall applications with the Knife Edge face detail, order the Knife Edge Drywall (KD) edge detail. Fasten drywall trim using standard drywall screws through the taping flange of the trim into the drywall suspension system. Finish using standard drywall materials and techniques.



AXTBC: Provides positive mechanical lock with factory-installed screw

(Fig 8)



(Fig 9)

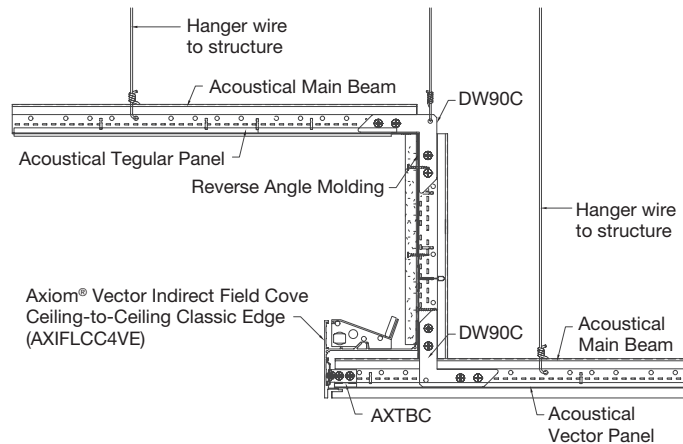
Typical Procedure

1. Attach the drywall suspension system to the light cove trim with an AXTBC Clip.
2. Install Axiom Bottom Drywall Trim (AXBTSTR).
3. Attach 5/8" drywall to the system.
4. Tape and finish drywall.
5. Paint.

Tapable Flange Installation

1. Install the moldings after the gypsum board is mounted in place.
2. Provide backing so that the moldings may be attached with #6 drywall screws 16" O.C. for horizontal applications.
3. Prior to taping, the attachment flanges should be cleaned using a non-abrasive cleaner and soft rag. When veneer plaster is specified, the flanges must be treated with a bonding agent.
4. Be sure the tape does not overlap the edge of the reveal and an 8" wide trowel is used to apply the final skim coat.

NOTE: Fiberglass self-adhesive drywall tape with a setting-type joint compound are required for joint finishing. To further ensure proper joint treatment adhesion, lightly sand the taping flange or use a bonding agent (i.e. Plaster Weld or Spray Adhesive) before applying joint compound to reduce the possibility of cracking.



Vector Classic Edge – Ceiling-to-Ceiling

(Fig 11)

5.2 Axiom® Connector Clip Options

5.2.1 Prelude® XL® and Suprafine® T-Bar suspension systems will rest on the lower flange of the light cove. Prelude and Suprafine suspension systems are used with flat lay-in and some Tegal applications. For a T-Bar suspension system that will rest on the lower flange of the Axiom® Trim, use AXTBC Connector Clip.

5.3 Silhouette® XL®, Interlude® XL® HRC (systems with 5/16" shoulder height) will require the clip to be modified to be held 1/4" above the light cove flange. Modify the clip by cutting 1/4" off the bottom of the clip at the score line. This can be done with a regular pair of snips.

Silhouette XL and Interlude XL HRC suspension systems (with a 5/16" shoulder height), use Tegal panels with the panel face resting on the trim flange, and 5/8" concealed tile – use AXTBC Connector Clip.

6. AXIOM INDIRECT FIELD LIGHT COVE COMPONENT SUPPORT

The manufacturer requires the Axiom Indirect Field Light Cove and ceiling suspension system be installed and supported in a manner that complies with all applicable codes and standards.

7. INSTALL CEILING PANELS OR DRYWALL

7.1 Cut and install ceiling panels using standard procedures for the products specified.

7.2 Treat exposed cut edges of ceiling panels as detailed in the product specifications.

7.3 For drywall applications, attach 5/8" gypsum to the suspension system per the manufacturer's recommendations.

8. FINAL DETAILING

8.1 Check and adjust the alignment of the suspension system and ceiling panels.

8.2 Clean exposed surfaces as required. Painted Axiom components may be wiped down with rubbing alcohol or a mild soap solution to remove fingerprints, oil, etc.

8.3 Touch up painted components as required. All painted custom Axiom shipments include a container of paint to be used for touch-up.

9. SEISMIC INSTALLATION

9.1 Axiom® Indirect Field Light Coves, Axis CovePerfekt™, and Vode® ZipWave™ | LED | 707 light fixtures are all suitable for Seismic Design Category D, E, F installations.

Ask your Armstrong Installation Specialist for bracing requirements.

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.

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