

## MICROLINE COVE (Double Drywall Construction) - ELECTRICAL INSTALLATION INSTRUCTIONS

**CAUTION:** BEFORE CONNECTING THE FIXTURE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.

### DETAILED ILLUSTRATION

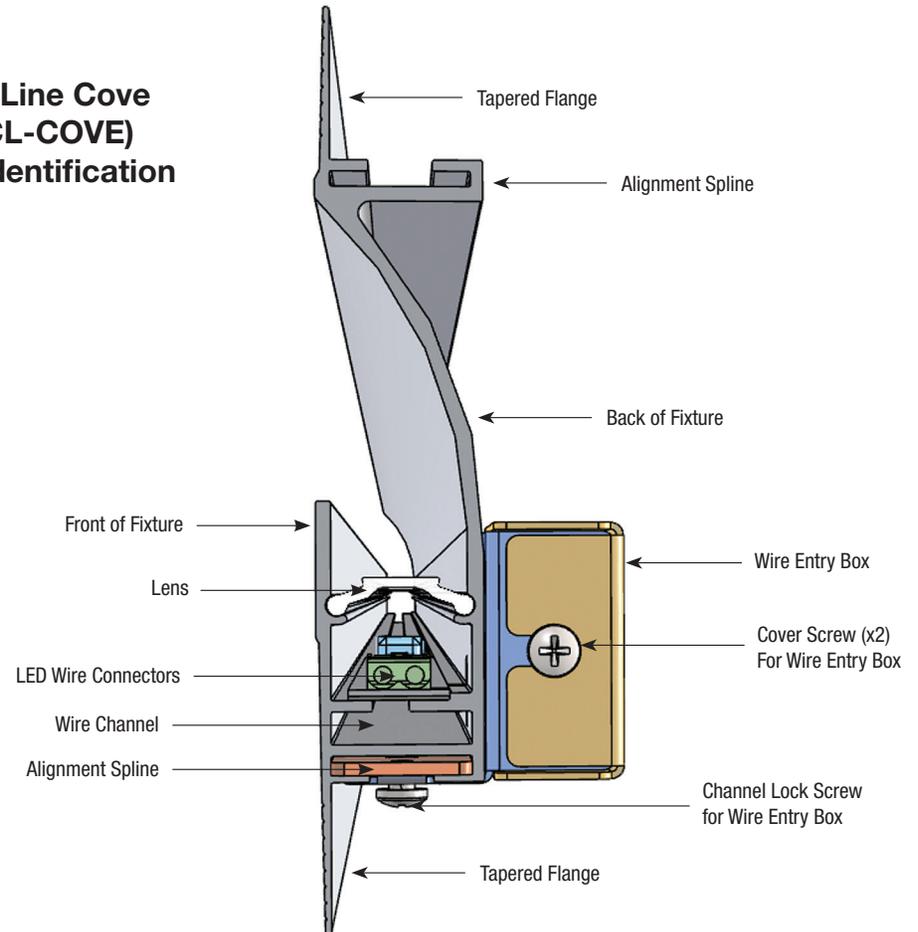
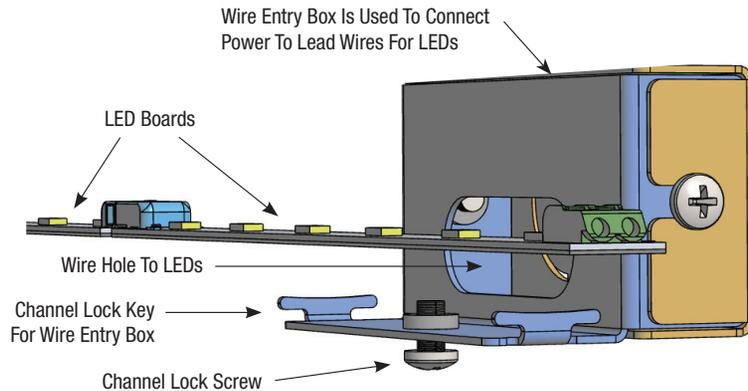
#### GENERAL:

1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.



### MicroLine Cove (MCL-COVE) Parts Identification



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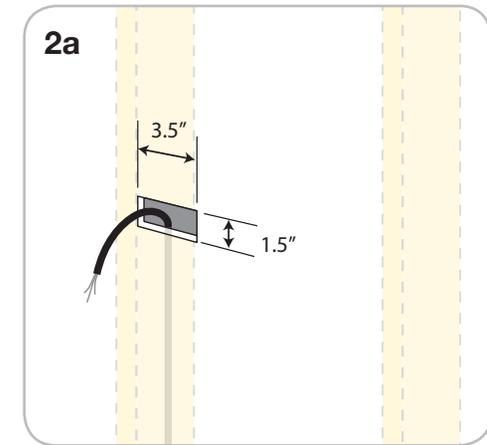
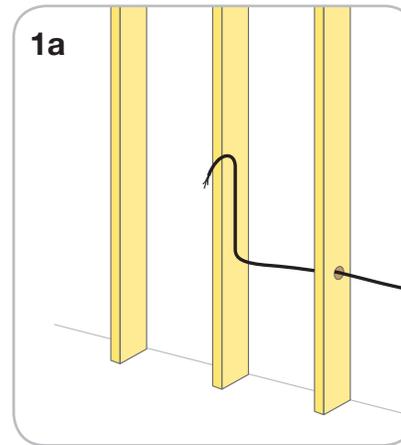
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#### INSTALLATION:

- 1a. Locate wiring in wall at desired start point for run length. Generally this will be the start or end of a run length. **Note:** You can use a center feed location for powering runs in two directions.



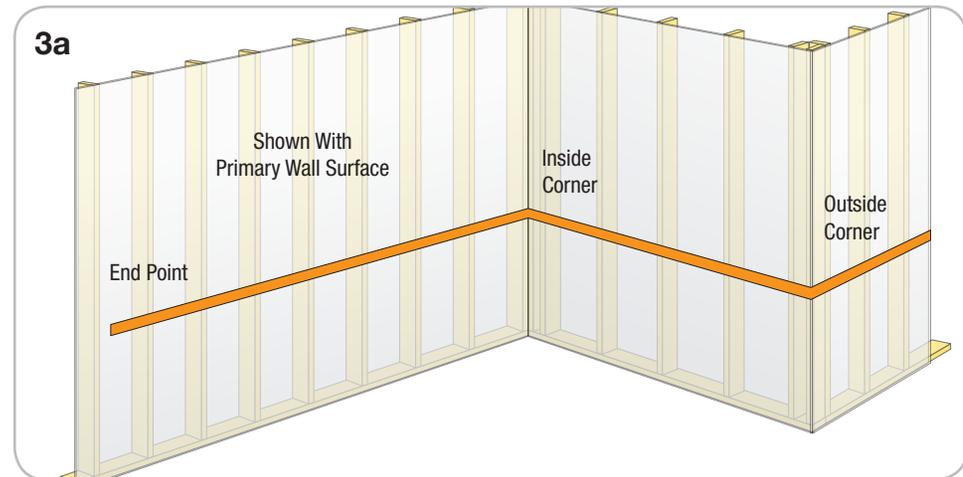
**IMPORTANT:** Maximum wire gauge for fixture is 18AWG stranded. If larger gauge wire is desired for extended distance to power supply, provide accessible junction to reduce lead wire size to fixture.

**NOTE:** Max run length for MicroLine is 30 ft. (using Max. 100W power supply).  
50W power supply = 15 ft run, 25W power supply = 7 ft run.

- 2a. Cut opening in primary wall surface to accommodate wire entry box on back of fixture. Opening is 3-1/2" wide by 1-1/2" high (3.5"W x 1.5"H). Pull wire through opening, leaving approximately 18" exposed from wall surface.

**NOTE:** Some preassembly is required before mounting fixture to wall.

- 3a. Plan and layout the location of the light housing, verifying inside/outside corners, end conditions, any joints required and final housing installation details. Also, inspect flatness of wall along the length of the intended installation and correct as required to maintain a flat even surface throughout.



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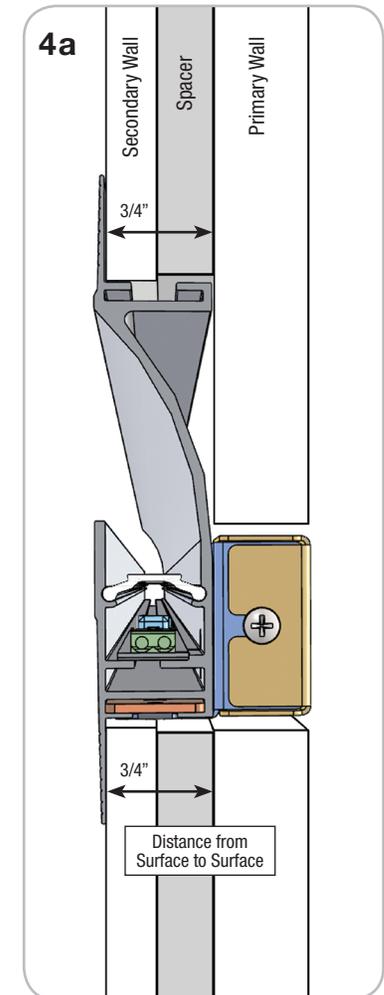
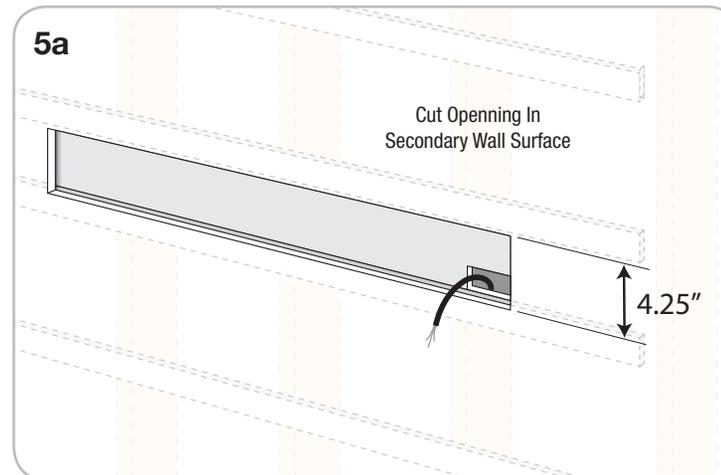
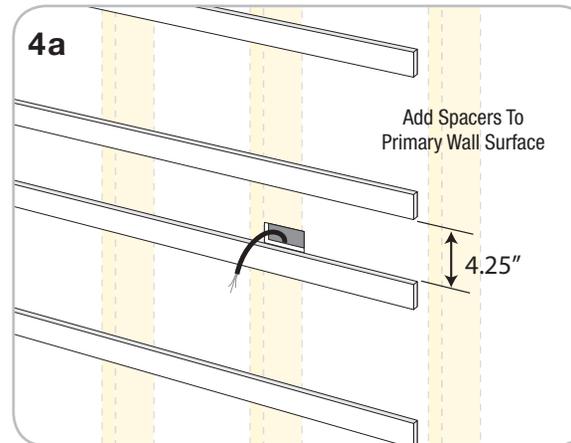
### DETAILED ILLUSTRATION

#### INSTALLATION:

4a. Secondary Wall may be of 3/8", 1/2", 5/8" or 3/4" thickness. Provide lath, blocking or spacer strips to ensure the Secondary Wall Surface is spaced 3/4" from the Primary Wall Surface.

**NOTE:** Spacers should be applied across the Primary Wall Surface where the Secondary Wall is to be applied. Also, make sure to place spacers directly behind where the Tapered Flanges of the fixture will contact with the Secondary Wall Surface. Place those spacers 4.25" apart to allow the fixture to properly recess when installed. This will also add support behind the fixture.

5a. Once secondary wall is installed, cut opening in to accommodate recessed portion of the light housing. Cut should be 4.25" High and the length of your intended run.



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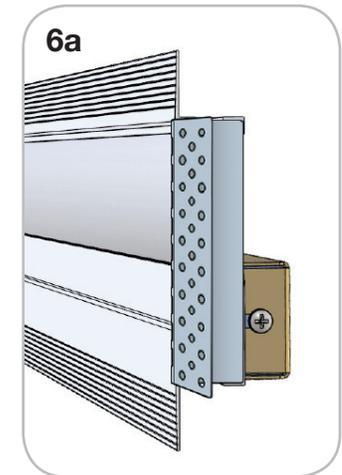
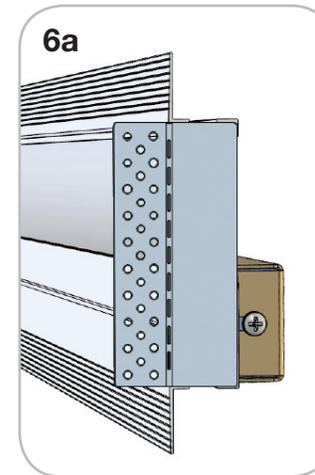
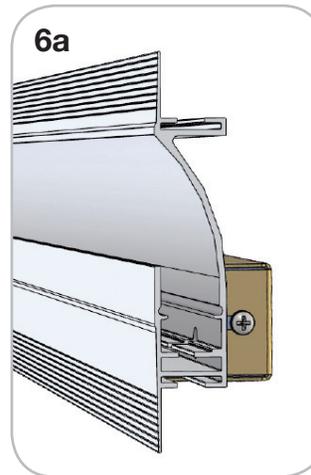
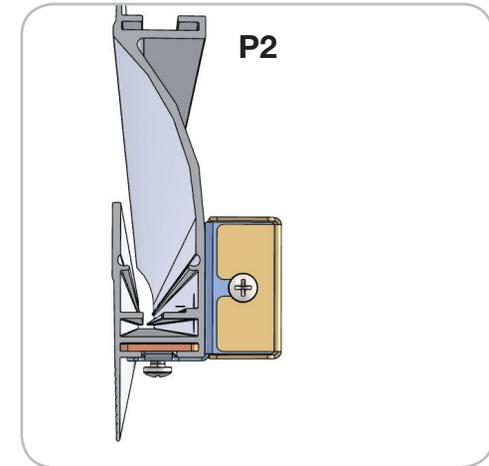
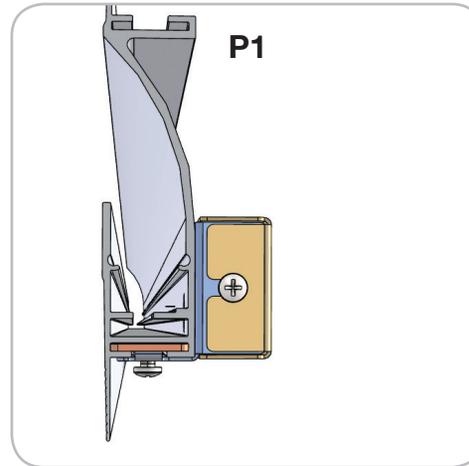
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### DETAILED ILLUSTRATION

#### PREASSEMBLY:

P1. Attach Wire Entry Box to back of aluminum fixture, by first sliding the two keyed ends into the bottom channel of the fixture. The larger opening on the back of the Wire Entry Box should line up with the 3/8" hole on the back of the fixture. Tighten screw on bottom into channel to hold the Wire Box in place.



#### INSTALLATION:

6a. Install End Cap trims into fixture housing ends to match wall condition. Apply a small amount of silicone or construction adhesive to tabs on end trim to secure in place during installation.

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#### INSTALLATION:

7. Route wire cable grip, then into entry box on back of fixture, into fixture light channel directly. No splices are to be placed in the wire entry box as this is inaccessible upon finished installation. The space provided within the entry box accommodates access wire length when final LED strips are installed into housing.

8. Apply a bead of construction adhesive to the back of the flangs on the housing body and end trim flangs to secure to drywall system. install housing into wall and hold in place with tape or blocking until adhesive has set sufficiently to hold in place.

9. Using the provided masking material, pack fixture interior to prepare for drywall finishing and painting. Extra care must be taken to insure that debris does not foul the interior feature of the product designed to snap fit the lens, and insure contact of the light strips with the housing itself upon final assembly.

Housing is now taped and mudded into wall surround in the same manner as corner bead or drywall joints.

10. After wall finish is complete, remove masking and clear any foreign material and debris from light channel interior.

Note: Failure to clean the interior of the channel will result in unsatisfactory light strips adhesion, resulting in strip detachment and loss of thermal control of the LED components. It is critical to clear all materials, dirt and debris from the interior of the fixture to realize a solid finished product.

