tivoli

3 ½"

5 ¾"

2³/₁₆"

2³/₁₆"

Wire Guard Medium
Base Socket
120V AC

Please verify the contents of the packages!

Please read instructions entirely before starting installation.

Be sure power is turned off before installing or modifying the system.

Call Tivoli, LLC tech support with questions.

Caution: Architectural Channel is designed to work with listed 120V AC line current only (See Product Specifications). Use of any other power source will cause damage, shorten the life of the fixture and void the warranty.

Consult any and all applicable local and national codes for installation.

Do not conceal or extend exposed conductors through a building wall as per local electrical code.

Warning: With any luminaire for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. This fixture should be installed by a certified professional.

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Installation instructions:

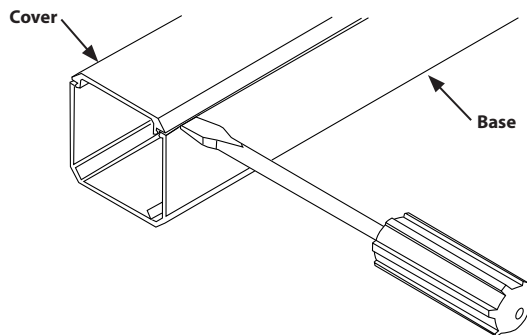### Tools / Materials required

Wire stripppers for 12GA wire
Pliers
Measuring tape
Wire cutter
Crimping pliers
Wire nuts for 12GA wire
Wire connectors for 12GA
Wire Chop Saw

Tivoli's Architectural Channel is used mostly for decorative lighting designs. To design the best and most attractive system, determine lamp spacing and accessories needed before ordering.

Cover Removal:

Architectural Channel is a two-piece aluminum channel extrusion with a snap lock type closure system. It is shipped with the Cover in position on the Base. To install the fixture, you will need to remove the Cover first. Insert a flat head screwdriver between the Cover and Base near one end of the channel and rotate the screwdriver a quarter turn. This will cause the Cover to pop open. Once started, the Cover can be easily pulled away from the Base.
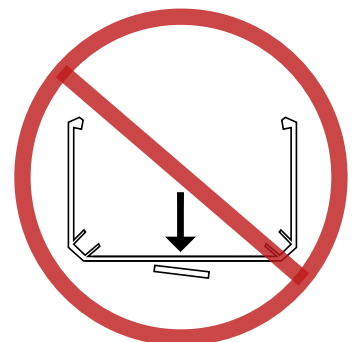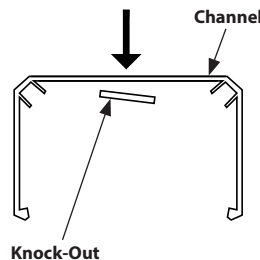
Mounting:

Step 1: Measure and cut Base and Cover from supplied 12 ft lengths.

Step 2: Attach Base using screws (supplied by others) appropriate for the mounting surface, ie: wood screws for wood.

Note: It is suggested the Base be securely attached at each end and at intervals not exceeding 24". Tivoli Lighting has provided ¼" knock out holes spaced every 24" (the spacing is closer on pieces ordered shorter than 36"). These can be knocked out by using a small punch hammer.
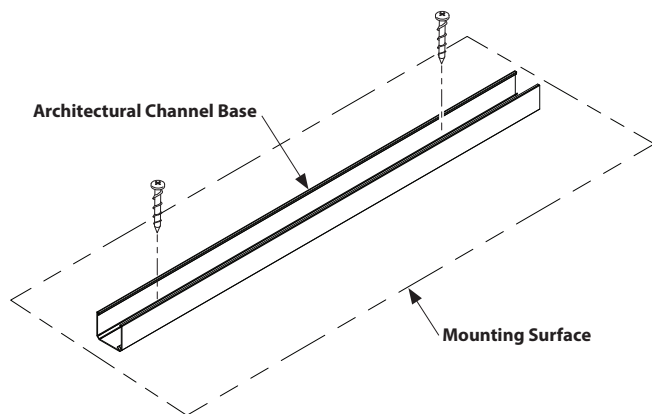
WARNING: Attempting to punch in the wrong direction will cause the aluminum channel to distort. An alternative method is to drill a clearance hole at the desired location and attach the Base to the surface with a screw. The Base may be mounted in any fashion with the lamps facing up, down or horizontal. This allows for either wall or ceiling mounting. However proper clearances (as stated in the national electrical code) should be maintained between lamps and combustable surfaces.

Cover

Base

Channel

Knock-Out

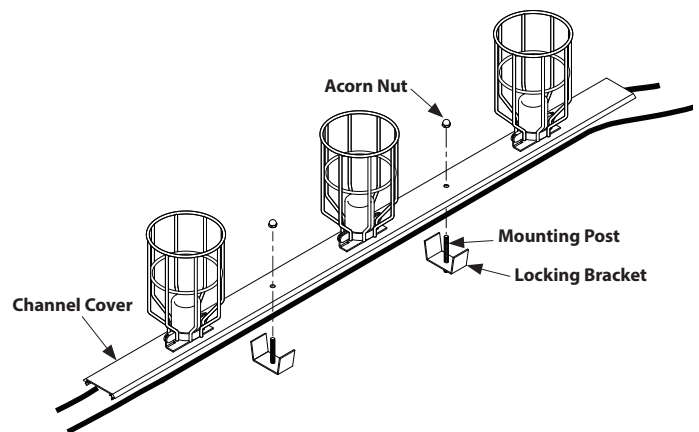7170352

Install Locking Brackets:

Note: The Locking Bracket is generally used when the channel is mounted on a wall or ceiling and there is concern that the weight of components mounted on the cover may cause it to separate and fall off. However, it may be used for any application.

Step 1: Begin by securing Architectural Channel Base to mounting surface with appropriate fasteners.

Step 2: Push Locking Bracket Mounting Post through hole in Channel Cover and attach the Acorn Nut.

Important: Do not tighten the bracket. Leave loose to allow room for the bracket to snap under the lip of the Base.

Architectural Channel Base

Mounting Surface

Acorn Nut

Mounting Post

Locking Bracket

Channel Cover

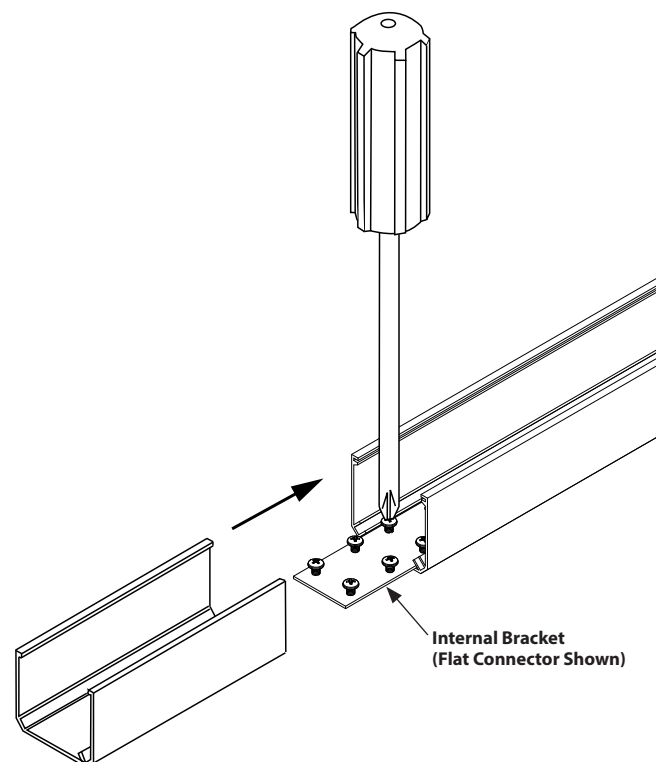## To add additional channel to an existing run:

Assembly:

Step 1: After the first Base section is securely mounted, insert an internal bracket into the end of the Base so half of the bracket remains outside the Base. Tighten the screws along the part of the bracket that is located inside the Base. Slide the next Base section over the exposed end of the internal bracket so it is flush against the previous Base section and attach it to the mounting surface. Tighten the remaining screws along the internal bracket. This will allow the section being attached to be aligned squarely with the first section, leaving a clean, attractive and mechanically sound connection. This is especially important when installing the fixture in a wet location. The better the connection the less chance water will have to enter the fixture.

NOTE: If the fixture is installed in a wet location, it must bear the label from Underwriters Laboratories stating that it is approved for such use.
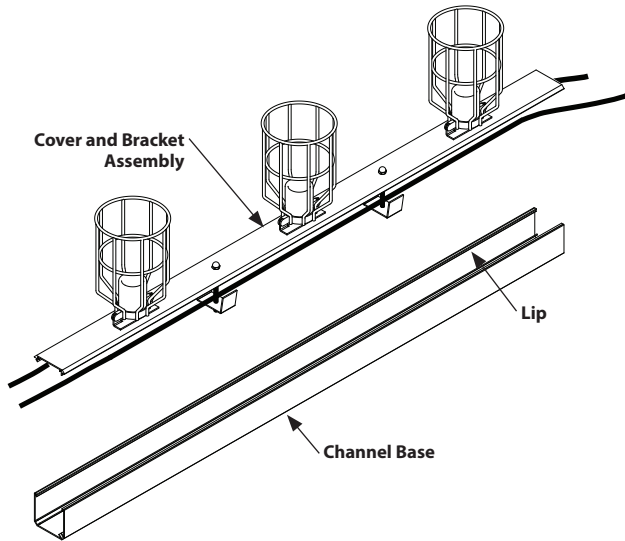
Caution: Do not install fixture marked "approved for damp locations" where it will be exposed to rain, sprinklers or any other source of water.

Note: When assembling a fixture made up of several Base sections (whether it be a corner "L" or "T", "Cross-shape" or just a straight splice connection) they should be installed one piece at a time. Adding pieces as you go will assure tight fitting splice joints. In some cases, it may be desireable or necessary to assemble the channel prior to positioning or mounting. If this is the case, be sure to provide sufficient support when lifting the assembly into place. Failure to do so could cause damage to the aluminum channel.
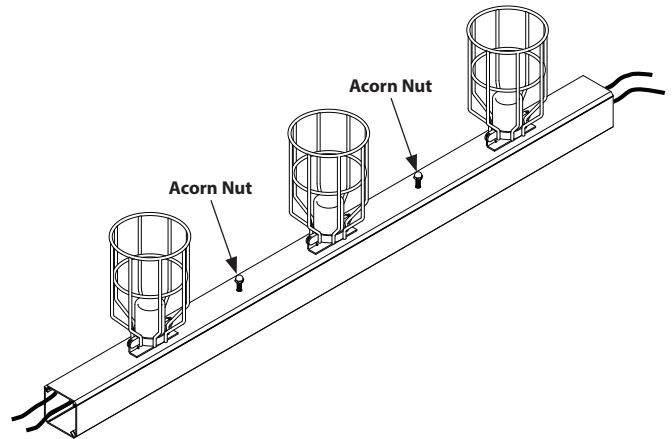

Internal Bracket
(Flat Connector Shown)

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Installation instructions (continued):

Step 2: Gently press cover assembly down into Channel Base until the cover snaps into place on Base.

Cover and Bracket Assembly

Lip

Channel Base

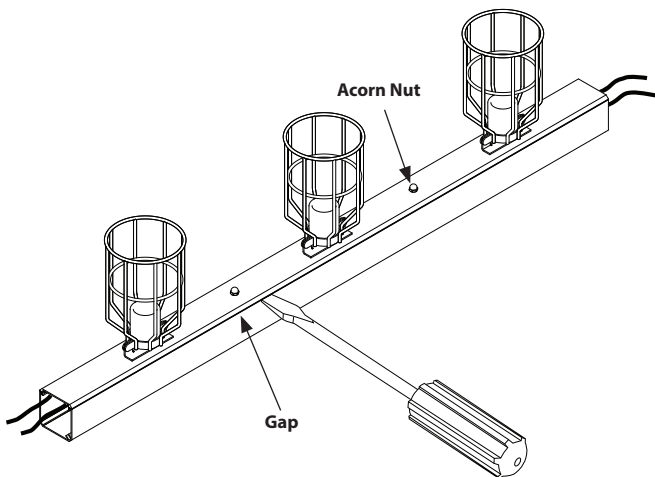**Step 3:** Press down on the acorn Nuts to push the Locking Bracket down until it snaps into place below the upper lip of the Base Extrusion.

Acorn Nut

Acorn Nut

Step 4: Turn Acorn Nut until Bracket and Cover are tightly locked into Channel Base.

Note: Check for tightness by gently prying gap between Base and Cover with Screwdriver.

Acorn Nut

Gap

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Installation instructions (continued):

Be sure power is turned off before installing.

Step 1: To add another run of lights, pull out wire from end of existing run. Either cut hole through end cap or replace end cap with an end cap with hole.

Step 2: Fasten wires to new run with wire connectors.

Step 3: Push wires and connectors back into extrusion.

Medium Base Bulb

End Cap

Cut Instructions

Step 1: To shorten run, determine location for cut and mark cut line on Cover and Base. Cut the wire first, leaving some additional length for connections and move wire out of the way before cutting the Cover. Cover and Base may be cut at any location between sockets.

Step 2: Place wire nuts (by others) and place end caps at end of run.

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