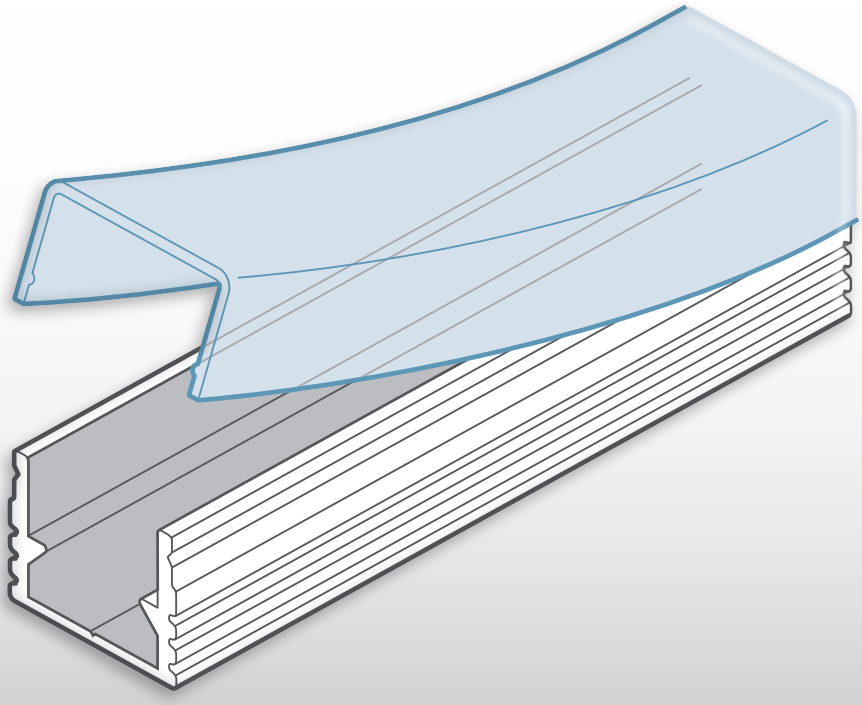
Acclaim™



Flex Channel Tall Profile

User guide

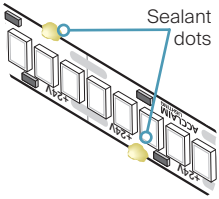
Installation

Mounting

Flex Interior tapes are supplied with 3M™ VHB acrylic adhesive backing, protected by a peel-off paper liner. To ensure that good adhesion is achieved, ensure the mounting surface is free of grease, moisture and any contaminates.

When mounting on the sides or undersides of surfaces

We recommend that you add small dots of silicone sealant along both sides of the Flex tape (to overlap the tape edge and mounting surface) using Dow Corning® 799, 1199 or equivalent. This will provide additional stability and help to prevent any separation of the tape from the mounting surface over time. The silicone dots are best applied once the tape is fixed in place; then the whole installation should not be disturbed until it the sealant has fully cured.



Cleaning and preparing the mounting surface

Most substrates are best prepared by cleaning with a 50:50 mixture of isopropyl alcohol (IPA) and water* prior to applying the tape. Exceptions to this general procedure that may require additional surface preparation include:

Heavy oils

A degreaser or solvent-based cleaner* (such as 3M™ Prep Solvent 70, 3M™ Citrus Base Cleaner, mineral spirits, naphtha or similar, subject to suitability for the surface material) may be required to remove heavy oil or grease from a surface and should be followed by cleaning with IPA/water*.

Other contamination or oxidation

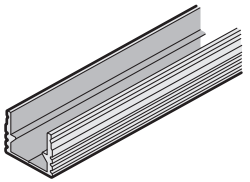
Abrading a surface, followed by cleaning with IPA/water*, can remove heavy dirt or oxidation (e.g. galvanized steel) and can increase surface area to improve adhesion. Abrasion often also helps adhesion to paints and plastics. Very small scratches in the surface, generated with circular motion rather than straight-line motion, are most desirable.

** Note: These cleaner solutions contain greater than 250 g/l of volatile organic compounds (VOC). Please consult your local Air Quality Regulations to be sure the cleaner is compliant. When using solvents, be sure to follow the manufacturer's precautions and directions for use when handling such materials.*

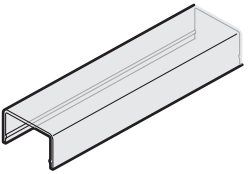
Flex channel tall profile (FLX888)

The Flex channel tall profile is a double-anodized aluminum extrusion which helps to reduce light spill. A choice of three lenses provide varying light distributions.

Options



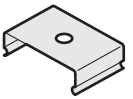
Flex channel tall profile
(4' / 1.21m)
[FLX888]

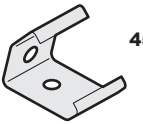


Tall profile lenses (4' / 1.21m)
[Clear: FLX825]
[Frosted: FLX813]
[Opal: FLX801]

End cap
[FCLPEC1]

Mount clip/joiner (1pc)
[FLX111]





45° mount clip kit (2 pcs)
[FLX113]

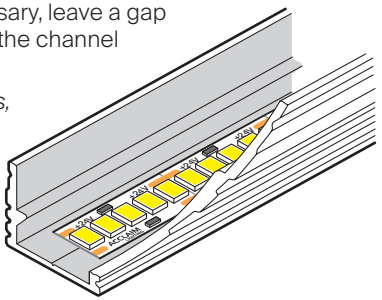
To fit the Flex tape

1 If necessary, cut the channel to the length required. Ensure that any resulting burrs are removed.

2 Ensure the tape mounting surface within the channel is completely dry, clean and free of grease.

3 Determine the length of tape required. If necessary, leave a gap at each end. Mark the positions at each end of the channel where the tape will be placed.

Note: Flex tape can be cut only at certain points, which may slightly constrain the precise lengths of tape that can be achieved. Therefore it may be beneficial to center the tape within the channel to achieve an even distribution.



4 Cut the tape to the nearest marked cutpoint.

5 *Note: If you are attaching the channel directly to a surface, see 'To surface mount directly' on page 3,* ***before*** *sticking the tape in place.*

Begin peeling the backing from the Flex tape and carefully stick the Flex tape into the channel, starting at the marked position.

IMPORTANT: While pressing the Flex tape into position, take care not to put excessive pressure on the components or connections.

To surface mount directly

1 Before fitting the Flex tape, determine where the channel is to be mounted.

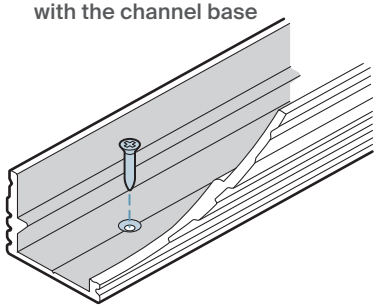
2 Drill the required number of holes in the base of the channel and countersink them. *Note: A small groove runs down the center of each channel base to provide a guide for your drill.*

3 Mount the channel and use countersunk screws to secure it. **IMPORTANT: The screw heads must lie flush with the channel base.**

4 Fit the Flex tape to the channel (see page 2).

5 Carefully solder to the contact pads or use a feed/link cable.

Drill countersunk holes and use screws that will lie flush with the channel base



To surface mount using brackets

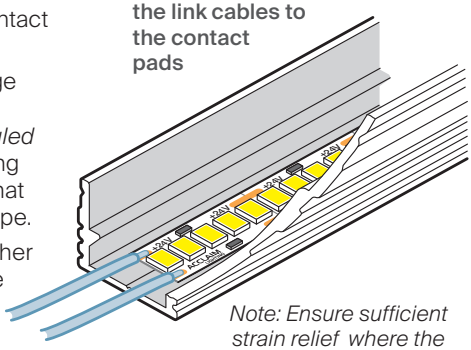
1 If necessary, carefully solder to the contact pads or use a feed/link cable.

2 Fit the Flex tape to the channel (see page 2). Attach two or more brackets (of the required type: *Flat brackets* or *Angled brackets*) to the mounting surface using either the supplied screws or others that are more appropriate to the surface type.

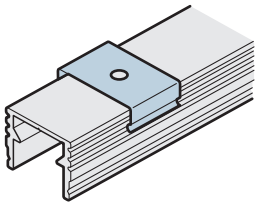
The angled bracket can be used in either of two orientations to provide an angle of either 30 or 45 degrees to the mounting surface (as shown below).

3 Clip the channel into the mounting brackets:

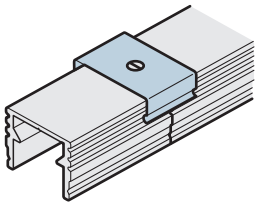
If necessary, solder the link cables to the contact pads



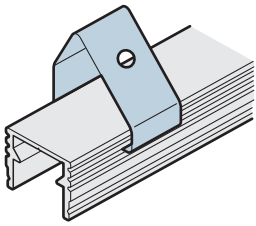
Note: Ensure sufficient strain relief where the cables enter the channel.



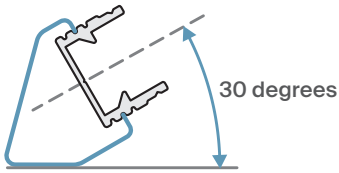
Attaching a flat bracket

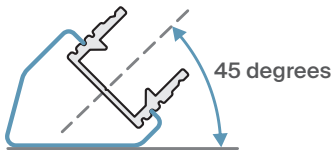


Using a flat bracket to join two channels



Attaching an angled bracket





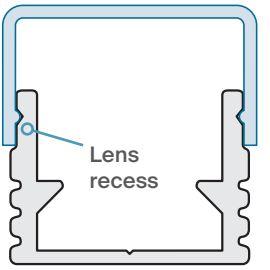
The angled bracket can be used in either of two orientations to provide angles of either 30 or 45 degrees to the mounting surface

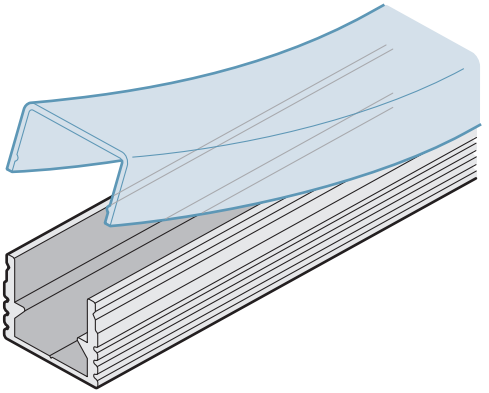
To fit a lens

1 Measure the exact length of lens required between each end of the channel.

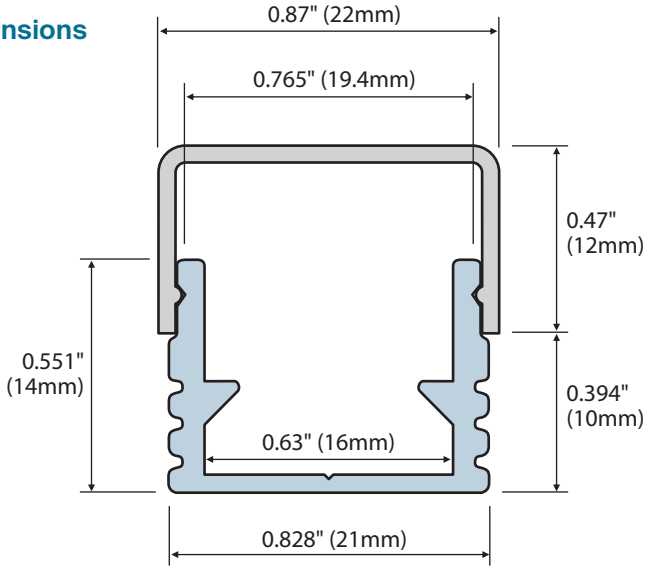
2 Carefully cut the lens to length. Ensure that any resulting burrs are removed.

3 Place one end of the lens over the channel so that it slots into the 'Lens recess' (see right). Then run your hand along the length of the lens to gently push the remainder into place.





Dimensions



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