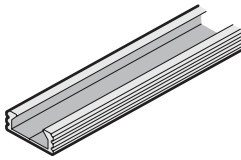


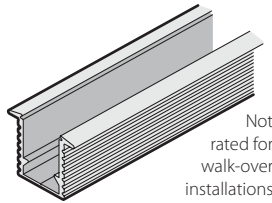
FLEX CHANNEL - LOW PROFILE/RECESSED/TALL (FLX444/777/888)

There are three options within the Flex channel range to suit varying installation requirements: A low profile option with no lens; a recessed channel for concealment within surfaces and a tall profile channel that reduces light spill. The latter two channels have a choice of clear, frosted or opal lenses. For channel dimensions, see page 18.

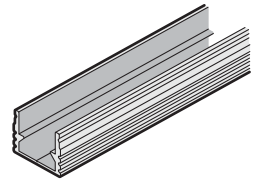
Options



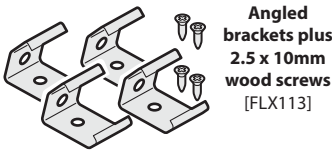
Flex channel low profile
(4' / 1.21m)
[FLX444]



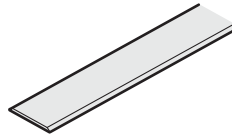
Flex channel recessed
(4' / 1.21m)
[FLX777]



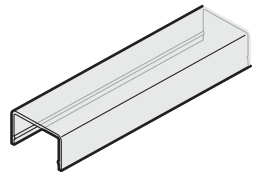
Flex channel tall profile
(4' / 1.21m)
[FLX888]



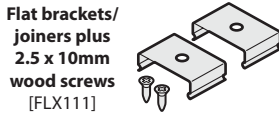
Angled brackets plus 2.5 x 10mm wood screws
[FLX113]



Recessed lenses (4' / 1.21m)
[Clear: FLX727]
[Frosted: FLX715]
[Opal: FLX702]



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



Flat brackets/joiners plus 2.5 x 10mm wood screws
[FLX111]

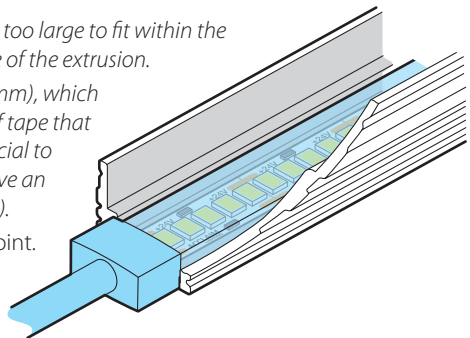
TO FIT THE FLEX ONE TAPE

- 1 If necessary, cut the channel to the required length. Remove any resulting burrs.
- 2 Ensure the tape mounting surface within the channel is completely dry and clean.
- 3 Determine the length of tape required. Mark the positions at each end of the channel where the tape will be placed.

Note: The molded feed cap on each spool is too large to fit within the channel and will need to be located outside of the extrusion.

Note: Flex One tape can be cut every 1" (25mm), 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 (subject to the above note).

- 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 16 before inserting the tape.*



Carefully push the tape into the channel, starting at the marked position. The tape's size will cause an interference fit within the channel, keeping it in place without adhesive.

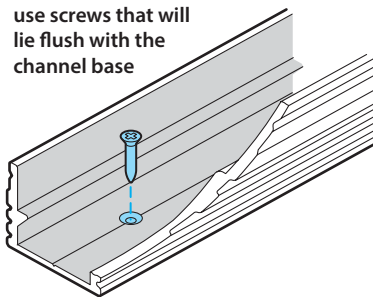
IMPORTANT: While pressing the Flex One tape into position, take care not to put excessive pressure on the components or connections.

- 6 If necessary, use Dow Corning® 799, 1199 (or equivalent) silicone sealant to fully encapsulate the power connections to protect against any moisture ingress.

TO SURFACE MOUNT DIRECTLY

- 1 Before fitting the Flex One 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 One tape to the channel (see page 15).
- 5 Carefully solder to the contact pads, if necessary (see page 5).

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

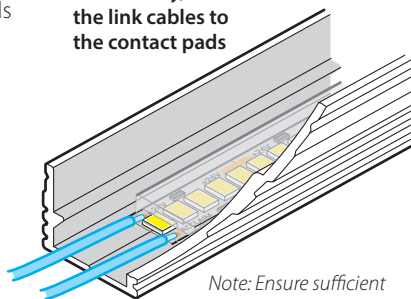


TO SURFACE MOUNT USING BRACKETS

- 1 If necessary, carefully solder to the contact pads (see page 5).
- 2 Fit the Flex One tape to the channel (see page 15).
- 3 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.

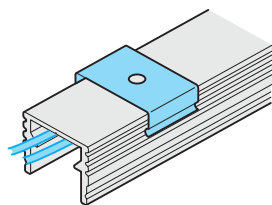
The angled bracket can be used in either of two orientations to provide an angle of either 30 or 45 degrees to the mounting surface (as shown below).

If necessary, solder the link cables to the contact pads

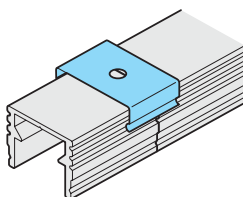


Note: Ensure sufficient strain relief where the cables enter the channel.

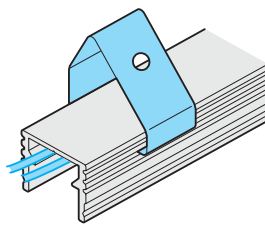
- 4 Clip the channel into the mounting brackets:



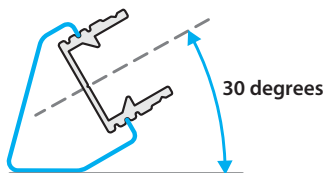
Attaching a flat bracket



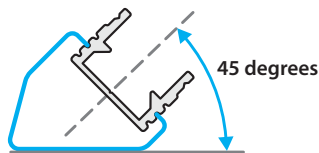
Using a flat bracket to join two channels



Attaching an angled bracket



30 degrees



45 degrees

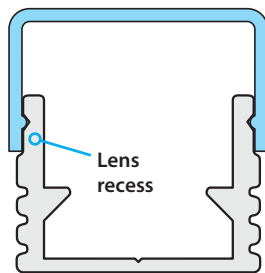
The angled bracket can be used in either of two orientations to provide angles of either 30 or 45 degrees to the mounting surface

TO FIT A LENS

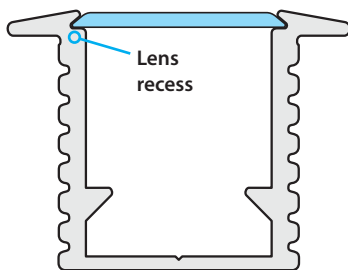
- 1 Measure the exact length of UV stabilized lens required between each end of the channel.
- 2 Carefully cut the lens to length. Ensure that any resulting burrs are removed.
- 3 Depending on the channel type:

- **Tall profile:** Place one end of the UV stabilized 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.
- **Recessed:** Insert one end of the UV stabilized lens into the 'Lens recess' within the channel (see right). Then slide the remaining lens into the recess.

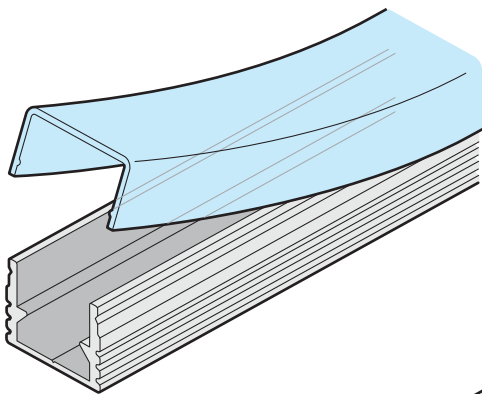
Note: This channel type is not rated for walk-over installations.



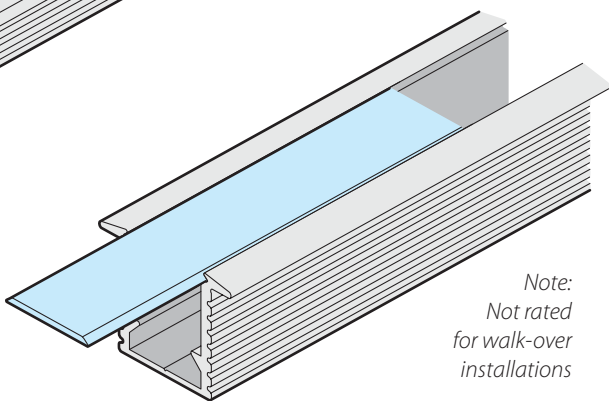
Tall profile
[FLX888]



Recessed
[FLX777]



Tall profile
[FLX888]



*Note:
Not rated
for walk-over
installations*

Recessed
[FLX777]