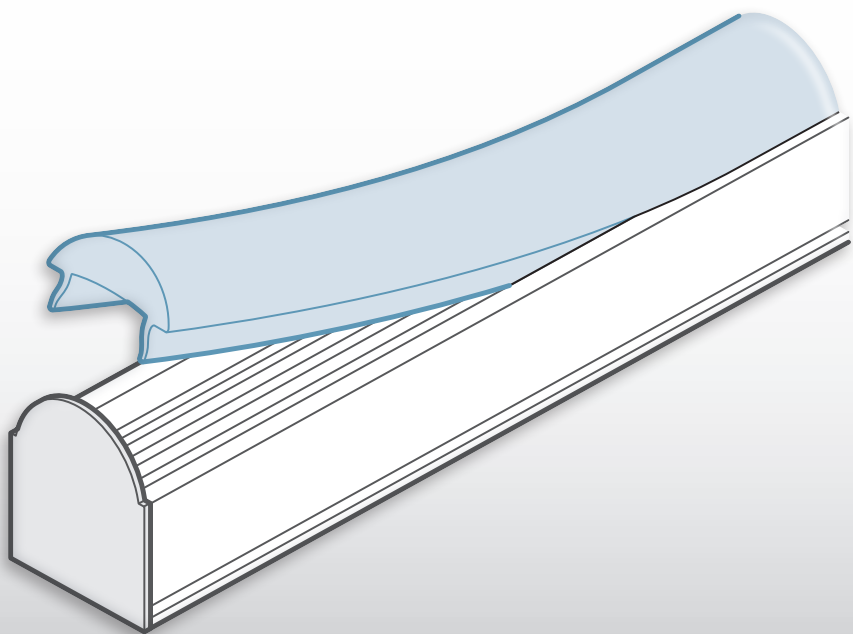




Acclaim™



## Flex Graze Channel

User guide



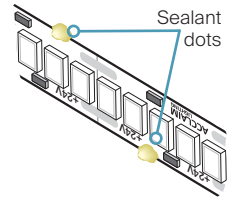
# Installation

## 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 contaminants.

### 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

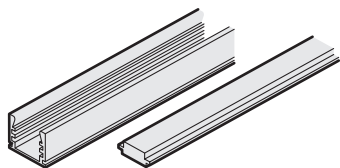
Abrading a surface, followed by cleaning with IPA/water\*, can remove heavy dirt or oxidation (e.g. galvanized steel) and can increase surface area to improve adhesion. Abrasion often also helps adhesion to paints and plastics. Very small scratches in the surface, generated with circular motion rather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

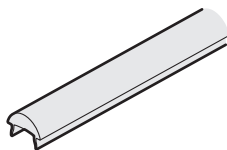
## Flex graze channel (FLK GRZ)

Flex graze channel is a low profile channel that, when used with its rounded lens produces a linear spread of light suitable for grazing nearby surfaces. The supplied mounting rail can be optionally used to alter the distance between the emitters and the lens and thus determine the resulting beam angle (the beam angle is 10° as standard if the mounting rail is not used).

### Options



**Flex graze channel plus  
Mounting rail**  
(3.28' / 1m)  
[FLK GRZ]



**Lens**  
(3.28' / 1m)  
[FLK GRZ L]



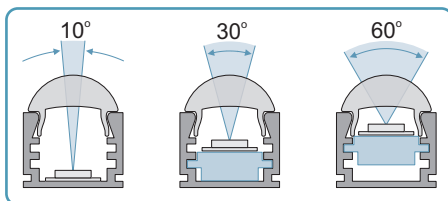
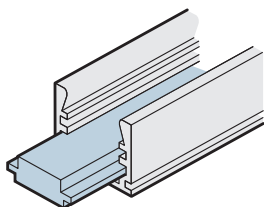
**Stainless  
steel mount  
bracket**  
[FLK SMB]



**End cap**  
[FLK GRZ EC]

### To fit the Flex tape

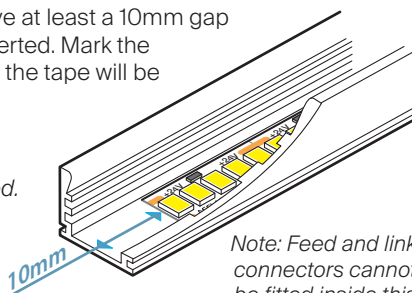
- 1 If necessary, cut the channel (and *Mounting rail*, if needed - remember to leave space for the end caps) to the length required. Ensure that any resulting burrs are removed.
- 2 [Optional step] Slide in the *Mounting rail* to determine the required beam angle:



- 3 Ensure the tape mounting surface within the channel is completely dry, clean and free of grease. If cleaning is required, please see page 1 for details.
- 4 Determine the length of tape required. Leave at least a 10mm gap at each end to allow the end caps to be inserted. 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.*

- 5 Cut the tape to the nearest marked cutpoint.
- 6 Begin peeling the backing from the Flex tape and carefully stick the Flex tape into the channel, starting at the marked position.



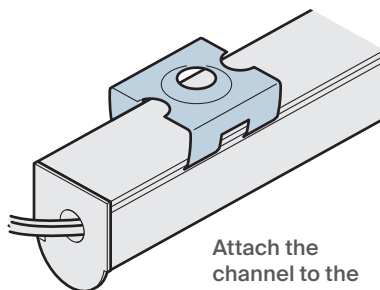
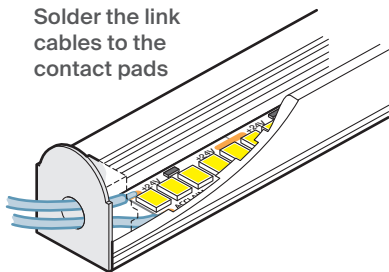
*Note: Feed and link connectors cannot be fitted inside this channel.*

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

## To surface mount

- 1 Fit the Flex tape to the channel.
- 2 Determine the size of hole required to pass the Flex tape connection wires and drill a hole through one of the *End caps*.
- 3 At the end where the connection will take place, fit the drilled *End cap*.
- 4 Feed the link cables through the end cap and carefully solder to the contact pads, if necessary (see opposite).
- 5 At the other end of the channel, fit another *End cap*.
- 6 Fit the lens (see below).
- 7 Attach two or more *mount clips* to the mounting surface using screws appropriate to the surface type.
- 8 Clip the channel into the mount clips using the slots running along each side of the channel.

Solder the link cables to the contact pads

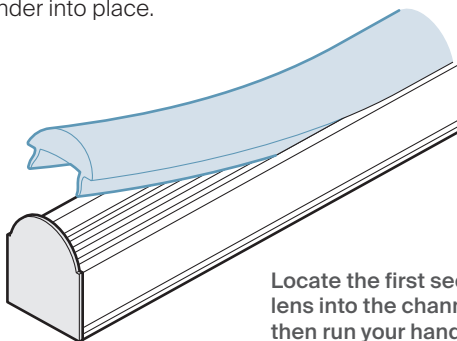
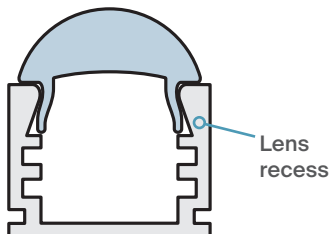


Attach the channel to the mount clips

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

## To fit the lens

- 1 Measure the exact length of lens required between the end caps at each end of the channel.
- 2 Carefully cut the lens to length. Ensure that any resulting burrs are removed.
- 3 Insert one end of the lens against one of the end caps so that it locates into the 'Lens recess' within the channel (see right).
- 4 Once the first part of the lens has correctly located, run your hand gently along the length of the lens to push the remainder into place.



Locate the first section of lens into the channel and then run your hand along it to push the remainder into place.

Dimensions

