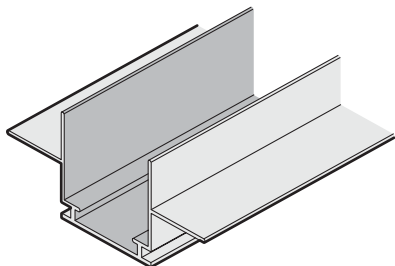


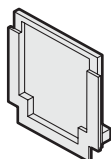
## FLEX DRYWALL CHANNEL (FLK DWM/DWC/DWF)

An adaptable system of channels for use with drywall installations. The main FLK DWM mount can be pre-installed during first fix while a choice of two inner channels (containing the Flex One tape plus connections) can be added later. Alternatively, a channel can be used alone and be installed directly on the drywall surface using simple springs. A choice of clear or frosted lenses are available. For channel dimensions, see page 40.

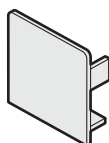
### Options



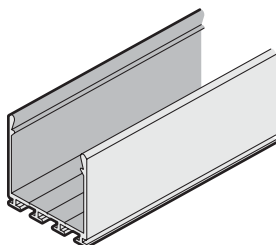
**Flex drywall mount for ½" (12.5mm) panels**  
(3.28' / 1m)  
[FLK DWM]



**Mount end cap**  
[FLK DWM EC]



**Channel end cap**  
[FLK DWC EC]



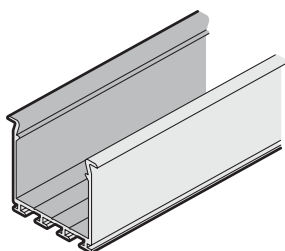
**Flex drywall channel**  
(3.28' / 1m)  
[FLK DWC]



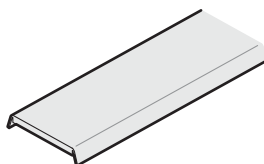
**Surface spring**  
[FLK DWC SS]



**Mounting clip**  
[FLK DWM CLIP]



**Flex drywall channel with flange**  
(3.28' / 1m)  
[FLK DWF]



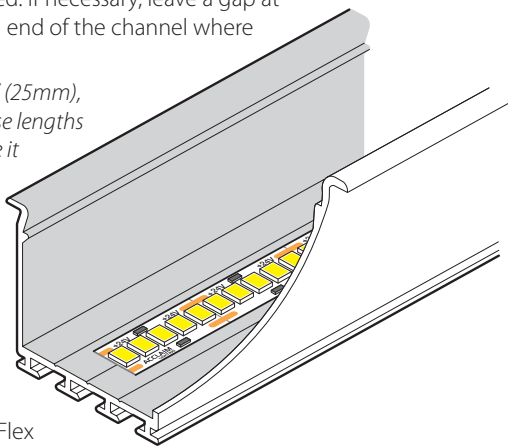
**Lenses (3.28' / 1m)**  
[Clear: FLK DCL]  
[Frosted: FLK DFL]

## TO FIT THE FLEX ONE 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. If cleaning is required, please see page 4 for details.
- 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 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.*

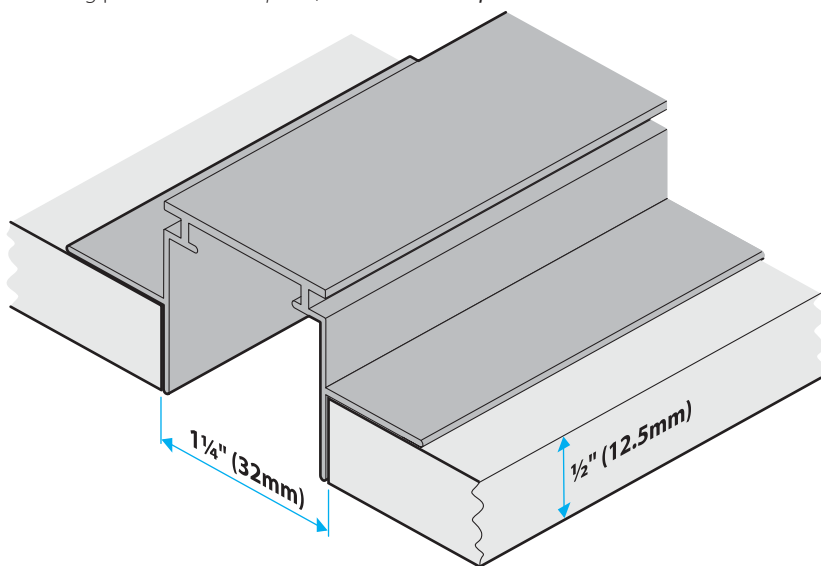
- 4 Cut the tape to the nearest marked cutpoint.
- 5 If necessary, carefully solder to the contact pads or use a feed/link cable (see page 5).
- 6 Begin peeling the backing from the Flex One tape and carefully stick the Flex One tape into the channel, starting at the marked position.



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

## TO RECESS A CHANNEL WITHIN A DRYWALL CEILING

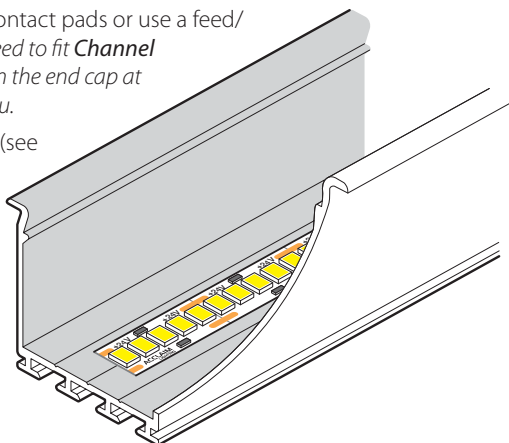
- 1 Make a gap within the drywall ceiling panels (measuring  $1\frac{1}{4}"$  / 32mm wide x the length of the channel). Place the *Flex drywall mount* into the gap so the wings of the mount rest on the ceiling panels. *Note: If required, fit Mount end caps at each end of the mount.*



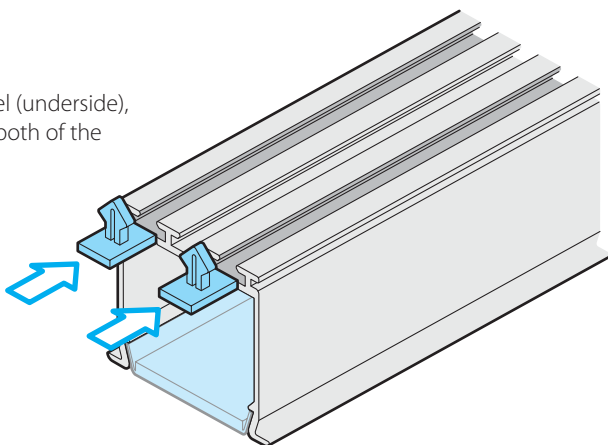
2 If necessary, carefully solder to the contact pads or use a feed/link cable (see page 5). *Note: If you need to fit **Channel end caps**, you will need to drill a hole in the end cap at one end to allow the cables to pass thru.*

3 Fit the Flex One tape to the channel (see page 35).

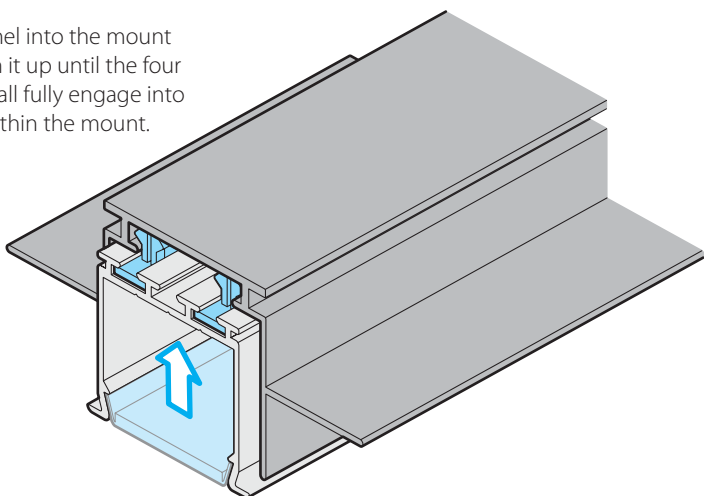
4 Fit the required lens (see page



5 At each end of the channel (underside), insert *Mounting clips* into both of the outer slots.

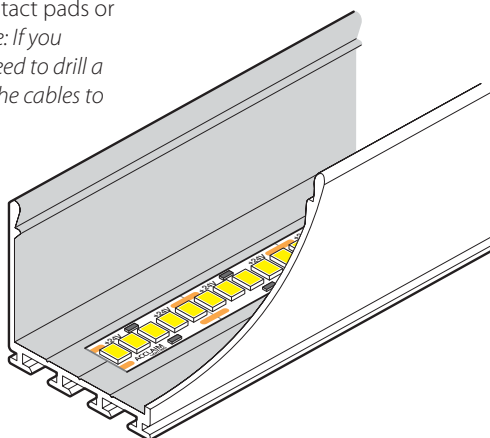


6 Insert the channel into the mount and gently push it up until the four mounting clips all fully engage into the main slot within the mount.

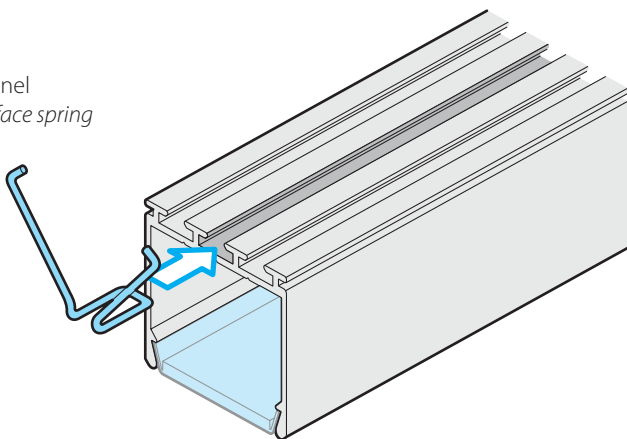


## TO SURFACE MOUNT A CHANNEL ON A DRYWALL CEILING

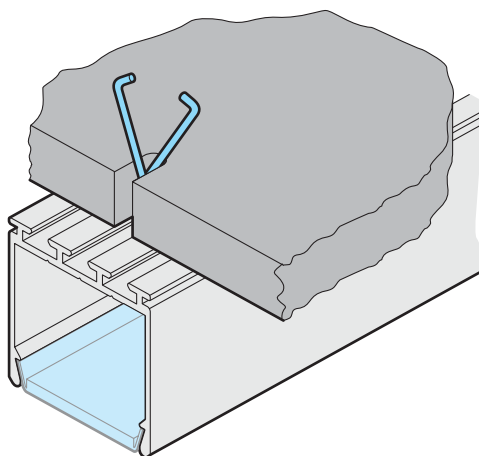
- 1 If necessary, carefully solder to the contact pads or use a feed/link cable (see page 5). *Note: If you need to fit **Channel end caps**, you will need to drill a hole in the end cap at one end to allow the cables to pass thru.*
- 2 Fit the Flex One tape to the channel (see page 35).
- 3 Fit the required lens (see page 38).



- 4 At each end of the channel (underside), insert a *Surface spring* into the center slot.

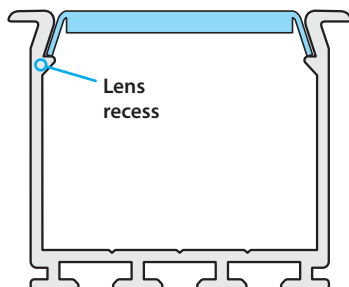


- 5 Measure the distance between the two springs and in the ceiling panels make two small holes to accommodate the springs.
- 6 At each end of the channel, squeeze the springs and insert them into the holes in the ceiling panel. Once inside, the springs should open out to keep the channel securely in position.



## TO FIT A LENS

- 1 Measure the exact length of lens required between the ends of the channel.
- 2 Carefully cut the lens to length. Ensure that any resulting burrs are removed.
- 3 Insert one end of the lens 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 thumb 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 thumb along it to push the remainder into place.**

