



Please note that these instructions are guidelines only and in no way supersede any construction or installation standards. Local building and electrical codes should be consulted before installation.

**ATTENTION**

- There is potential danger of electrical shock when operating electrical components.
- Make sure power is turned off before installation.
- Allow for heat dissipation and adequate ventilation.

## Drywall channel / Profile installation guide

**COMPONENTS:**

Plastic End Caps

Aluminum Base Track

Polycarbonate Optic

Each 6ft length of RT2414 LED Profile is shipped complete with End Caps, TC180 Multi-Track Connectors\*, and equipped with flanges for easy installation into drywall.

*\*For corner applications, TCX90 in/out 90° and TCF90 Flat 90° connectors are recommended*

1. Measure BL Fixform in parallel with BL Flexform for accurate coupling of components prior to cutting. Use of a mechanical saw is recommended.  
**TIP:** Secure BL Fixform LED Profile base track and lens together with tape, and cut with lens facing down.
2. For cutting multiple pieces to matching lengths, or to create 45° miter joints, prepare BL Fixform LED Profile by coupling base track with lens and place the lengths together, lens facing lens, and cut straight across or at the desired angle.  
**TIP:** Securely wrap lens cover and aluminum base track together with tape prior to cutting, and initiate cut through backside of BL Fixform LED Profile when cutting base track and lens simultaneously.
3. Measure desired length and start the cut from the top base track piece.  
Join both pieces together with the optical lens facing up for a perfect 45° corner cut.  
Connect multiple lengths of RT2414 by securing provided TC180 Multi-Track Connectors and fasten to the base track.  
**IMPORTANT:** Over-tightening the set screws will damage the LED Profile.
4. In preparation for cutting drywall, layout and mark position to desired length, including end caps.  
Cut an appropriate sized opening into drywall using proper width keyhole saw and depth setting conforming to your recessed channel type, cutting drywall surface to accommodate the flange, if required.
5. Remove lens from base track and fasten to the drywall using appropriate screws through the flanged wings. Ensure that the screw heads do not protrude from the flanged wings for a smooth installation.



6. Mud in the channel.  
Allow to dry for a minimum of 24 hours before adding a second coat of drywall mud.  
Drywall compound should be feathered out a minimum of 20" (0.5m) to allow for a smooth blend into the surrounding drywall surface. Allow the second coat to dry completely, for a minimum of 24 hours.  
Lightly sand the joints and repeat the mud and sanding process until a smooth surface is achieved.  
Allow to dry completely prior to sealing and painting the surrounding surface.
7. Remove the double-sided tape backing from the LED, if applicable, and secure the BL Flexform LED Tape into the Base Track using the adhesive provided on the LED, and/or adhesive tube.  
Evenly bead BL ADH406 Adhesive along the inner surface of the BL Fixform LED Profile base track.

**IMPORTANT:** Mounting surface must be clean and dry. To ensure a long lasting bond, it is recommended to run an alcohol wipe along the inside of the base track, and allow it to dry completely prior to securing BL Flexform LED into place.

8. Secure BL Flexform LED gently along the length, without bending or pulling up.  
Bonds should be held in place until adhesive has fixtured.  
Masking tape may be used along the length of the LED for this purpose.  
Product should be allowed to develop full strength before subjecting to any service loads (typically 24-72 hours after assembly, depending on bond gap, materials and ambient conditions).

*\*For IP68 jacketed BL Flexform LED Tape, BL Flexform Dot-Free IP65, and down facing applications, please refer to installation guide for BL ADH406 for further guidance.*

9. Gently guide the lead wire through the end caps.
10. Place one corner of the lens into the base track first and press in subsequent sections of the lens cover.  
Be careful not to bend or break the wings of the lens cover. Push fit the end caps onto the ends of the LED Profile

