

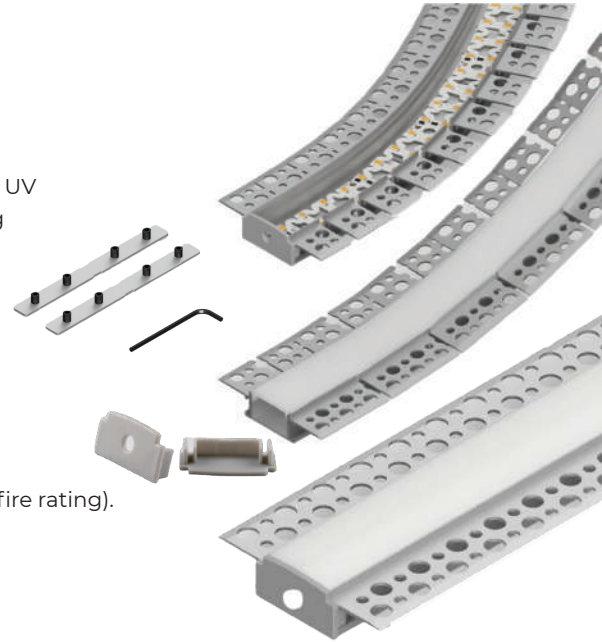
BENDABLE FLEXIBLE LED PLASTER-IN PROFILE FOR DRYWALL APPLICATIONS

DESCRIPTION:

The Bendable Flexible LED Plaster-in Profile is a high-quality aluminum extrusion designed for flexible LED strips up to 0.78in. wide. Equipped with a durable silicone cover, this profile ensures optimal lighting performance while protecting LEDs from UV radiation, harsh weather conditions, and flame exposure. Its innovative dual bending design allows for versatile installation in complex ceiling and wall designs.

FEATURES:

- Dual-direction flexibility: bends up & down or left & right in a single profile.
- Minimum bending radius of 5.9 inches for up & down bending.
- Minimum bending radius of 7.87 inches for left & right bending.
- Silicone diffuser cover in 164 ft rolls, offering UV stability and flame resistance (HB fire rating).
- Constructed from 6063-T5 grade aluminum with a premium anodized finish.
- Standard polypropylene end caps for added protection from dust and debris.
- Operating temperature range from -22°F to 212°F.



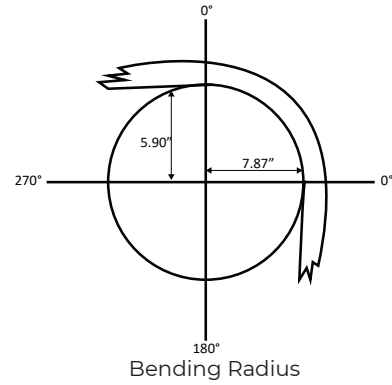
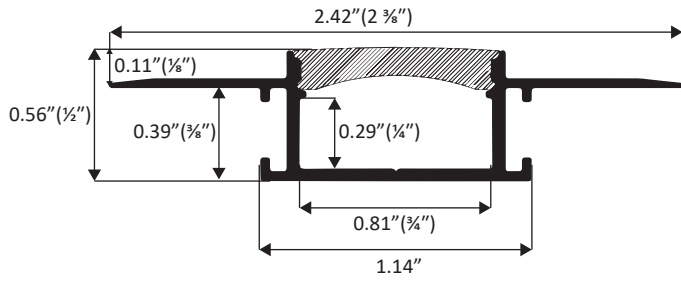
APPLICATIONS:

- Recessed ceiling lighting for drywall installations.
- Ambient or accent lighting in architectural projects.
- Seamless lighting integration for walls and ceilings without visible aluminum parts.
- Ideal for residential, commercial, and hospitality lighting projects.

TECHNICAL SPECIFICATIONS:

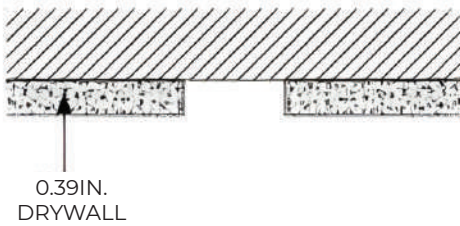
Ingress Protection	IP20
Length	6.4ft
Aluminum Grade	6063-T5
Lighting Transmittance	50%
Operating Temperature	-22°F to 212°F
Flammability	HB Fire Rating for Silicone Cover Diffuser (Sold separately)
UV Stability	Certified UV resistance
Heat Stability	Up to 212°F
Manufacturing Tolerances	±0.02 inches
Material	Aluminum body, silicone diffuser, ABS end caps
Anodizing Type	Ecru oxidation with 10µm coating
Heat Transmission	0.88x10 ⁻³ J/(lb x °F)

DIMENSIONS:

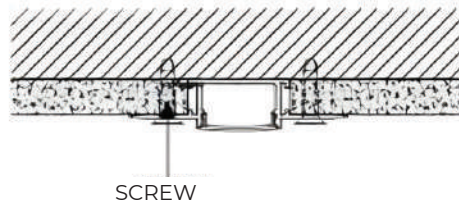


INSTALLATION INSTRUCTIONS:

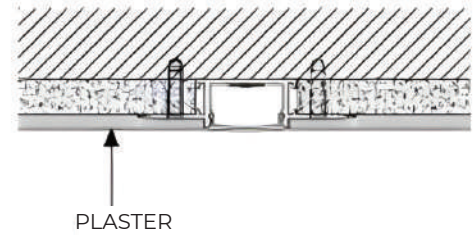
1. Preparation: Cut the extrusion to the required length and clean the surface.
2. Mounting:
 - Apply a thin layer of adhesive to the flange of the extrusion.
 - Secure with mounting screws, if necessary.
3. Drywall Integration:
 - Place the extrusion in the drywall groove.
 - Apply drywall mesh and seal with filler.
 - Once dried, sand the surface and paint over for a seamless finish.
4. LED Strip Installation: Insert the LED strip into the channel and cover with the silicone diffuser.
5. Final Touch: Attach end caps to protect the extrusion from dust and debris.



Step 1

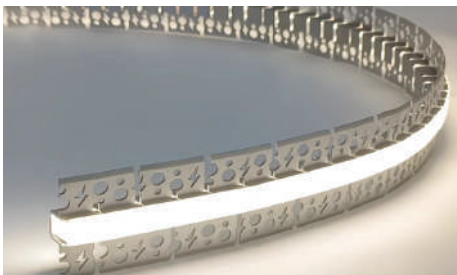


Step 2



Step 3

UP AND DOWN BENDING DIRECTION:



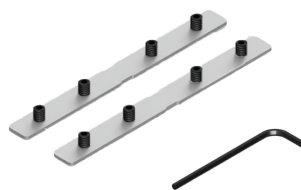
LEFT AND RIGHT BENDABLE:



ACCESSORIES (SOLD SEPARATELY):



End Caps
SKU: AE-6114-CAP



Connectors
SKU: AE-6114-CONN(MTL)



Cover
SKU: AE-ALP6114-CVR-FRS