

Armacost Lighting 960051

Armacost Lighting 960051 Channel Mount with Diffuser Instruction Manual

Model: 960051 | Brand: Armacost Lighting

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Armacost Lighting 960051 Channel Mount with Diffuser. This product is designed to conceal and protect LED tape light strips, offering a professional and aesthetically pleasing lighting solution. The channel is constructed from high-quality, double-anodized, aviation-grade aluminum alloy and includes a frosted polymer cover to diffuse light output and minimize hot spots.

PRODUCT FEATURES

- Channels are an attractive way to complete a professional LED tape light strip installation.
- Conceal and protect LED tape light strips.
- Made from durable, high-quality aluminum.
- Flat profile for surface or recessed installations; corner profile for 45° directional lighting.
- Includes translucent diffuser to soften the light output and minimize LED hotspots.

COMPONENTS INCLUDED

The Armacost Lighting 960051 Channel Mount with Diffuser package includes the following components:

- End Caps
- Screws
- Mounting Brackets
- (5) One meter channels with diffusers

CORNER MOUNT

SILVER 5-PACK
Item 960051

INCLUDES

- 5 - 1m (39 in.) Channels & Diffusers
- 10 - Endcaps (5 with wire access)
- 10 - Mounting Clips & Screws



Image: Contents of the Armacost Lighting 960051 Channel Mount 5-pack, showing five 1-meter channels, 10 endcaps (5 with wire access), and 10 mounting clips with screws.

SETUP AND INSTALLATION

The channel can be cut to length using a fine-tooth handsaw to fit your specific installation requirements. It can be mounted to surfaces using double-sided adhesive tape (not included) or the included mounting brackets.

Channel Profile and Dimensions

CORNER MOUNT CHANNEL

Item 960051



Translucent
polycarbonate
diffuser



Durable
aircraft-grade
aluminum

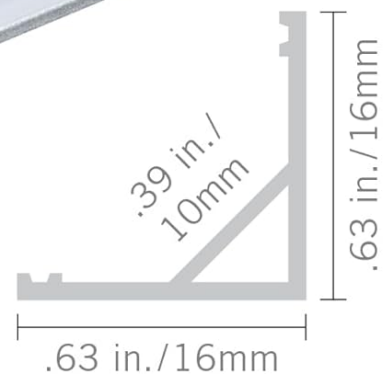


Image: A close-up view of the Corner Mount Channel, highlighting its translucent polycarbonate diffuser and durable aircraft-grade aluminum construction. Dimensions are shown as approximately 0.63 inches (16mm) by 0.63 inches (16mm) with a 0.39 inch (10mm) internal depth.

The corner profile is specifically designed for 45° directional lighting, making it ideal for installations where light needs to be angled, such as towards a backsplash or within a display cabinet.

Mounting the Channel

The included mounting brackets provide an easy and secure method for attaching the channel to the desired surface. These brackets can also serve as connectors between channels when running multiple sections in sequence to create a longer fixture.

Corner Mount Tape Light Channel

Moderate diffusion ■ Bright light output

Good for angling light toward backsplash

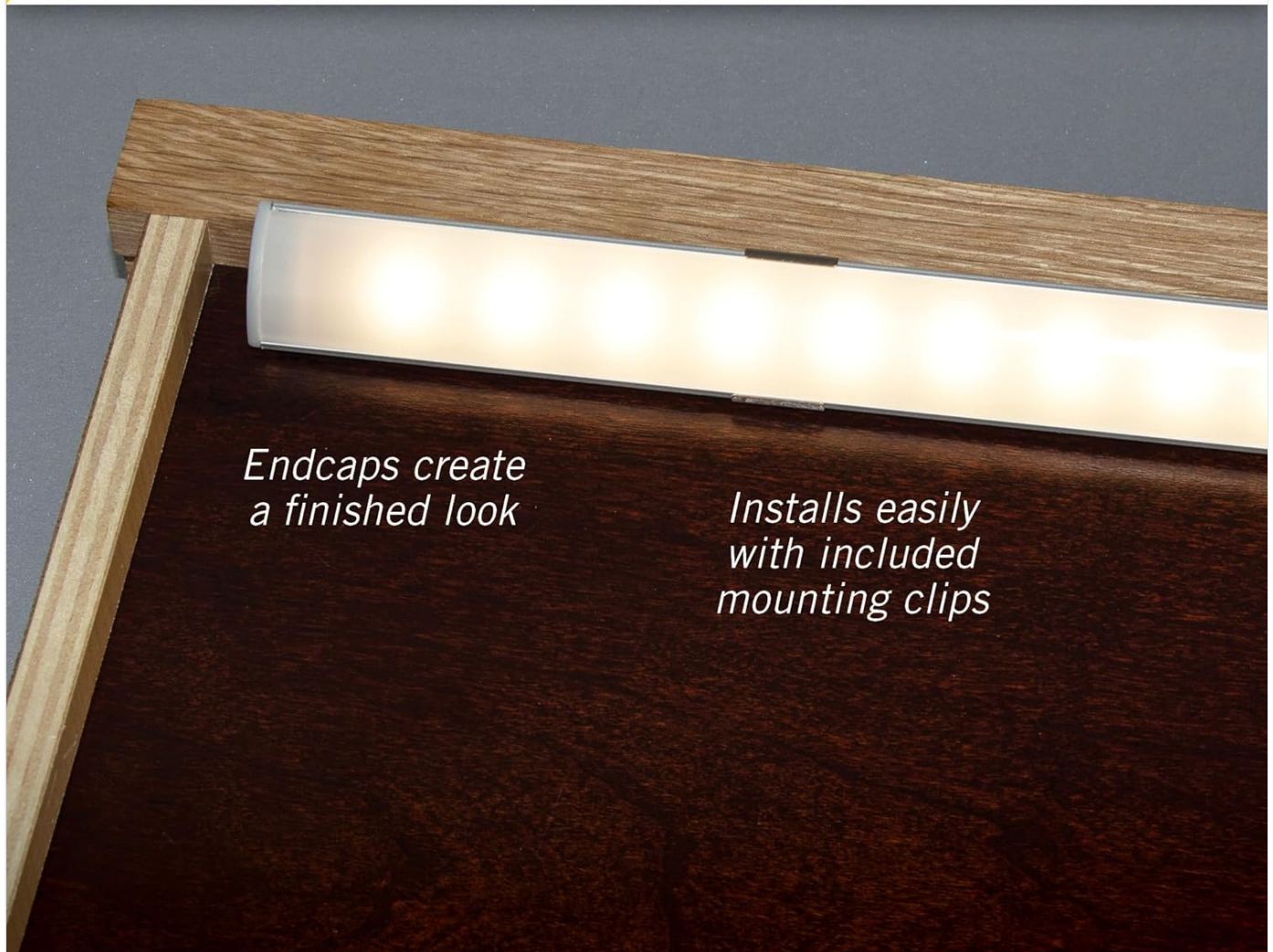


Image: An installed Corner Mount Tape Light Channel showing how endcaps create a finished look and how the channel installs easily with included mounting clips. The light is angled towards a wooden surface.

Diffuser Installation and Benefits

The frosted polymer cover (diffuser) is designed to be fitted onto the channel after the LED tape light strip is in place. This cover conceals the individual LEDs and diffuses the light output, softening the illumination and minimizing reflective hot spots on nearby surfaces. This is particularly beneficial for installations where the lighting will be visible.

LED TAPE LIGHT MOUNTING CHANNELS


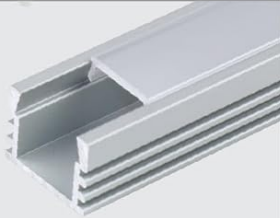



CHANNEL MODEL	CHANNEL DESIGN	BENEFITS	FUNCTION	MAXIMUM TAPE LIGHT WIDTH
Surface Mount 	U-shape	Cuttable	Moderate diffusion (fewer bright spots), bright output	12mm
Deep Surface Mount 	U-shape	Cuttable	Most diffusion (fewest bright spots), softer output	11.2mm
Corner Mount 	V-shape	Angled, cuttable	Moderate diffusion (fewer bright spots), bright output	10mm
Bendable Surface Mount 	U-shape	Flexible, cuttable	Less diffusion, brightest output, lowest profile surface mount	13.5mm
Recess Mount 	U-shape	Cuttable	Moderate diffusion (fewer bright spots), bright output	12mm

Image: A visual comparison demonstrating how the diffuser protects the LED tape and softens LED hot spots, showing a clear difference between a bare LED strip and one covered by the diffuser.

General Installation Overview

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Video: An overview of Armacost Lighting products, including LED tape lighting, power supplies, and controls. This video demonstrates the versatility and ease of installation for various lighting applications, such as under cabinet, landscape, and linear LED lighting.

OPERATING INSTRUCTIONS

Once installed, the channel mount itself does not require specific operation. Its primary function is to house and protect your LED tape lights. The operation of your lighting system will depend on the type of LED tape light, power supply, and controls (e.g., dimmers, switches, smart home integration) you have connected to the system. Refer to the instruction manuals provided with your specific LED tape lights, power supply, and control devices for detailed operating procedures.

MAINTENANCE

The aluminum channel and polycarbonate diffuser are designed for durability and require minimal maintenance. To clean the channel and diffuser, gently wipe them with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these may damage the finish or the diffuser material.

Periodically inspect the mounting brackets and screws to ensure they remain secure. If any components appear loose or damaged, tighten or replace them as necessary.

TROUBLESHOOTING

This section addresses common issues related to the channel mount itself. For issues related to the LED lights or power supply, refer to their respective manuals.

Channel Not Holding Securely

- **Issue:** The channel feels loose after installation.
- **Solution:** Ensure that the mounting brackets are properly aligned and securely fastened with the provided screws. If using adhesive tape, verify that the surface is clean, dry, and suitable for adhesive application.

Diffuser Not Fitting Properly

- **Issue:** The diffuser is difficult to snap into place or falls out.
- **Solution:** Ensure the diffuser is oriented correctly. Apply even pressure along the length of the diffuser to snap it into the channel grooves. If the channel was cut, ensure the cut edges are smooth and free of burrs that might obstruct the diffuser.

SPECIFICATIONS

Attribute	Detail
Color	Silver
Brand	Armacost Lighting
Style	Corner Mount
Material	Aluminum
Included Components	End Caps, Screws, Mounting Brackets, (5) One meter channels with diffusers
Number of Items	5
Item Dimensions (L x W x H)	39 x 0.63 x 0.63 inches
UPC	810976030655
Manufacturer	Armacost Lighting
Part Number	960051
Item Weight	2.29 pounds
Item Model Number	960051
Batteries Required?	No

