# LED Aluminum Channel - FLEX FLAT

YD 1806

Flex Flat YD 1806 is ideal for general low-profile surface mounting of LED strip light. With bending flexibility and small dimension, YD 1806 complements a wide variety of applications.

Features

• Flexible and flat.
• Customizable.
• Anodized finish.
• Low profile design.
• Covers and protect LED strip light.
• Manufactured with a patented frosted diffuser for maximum lumen output and wider beam distribution.

FIELD CUTTABLE | BENDABLE | SURFACE MOUNT | 5 YEAR WARRANTY
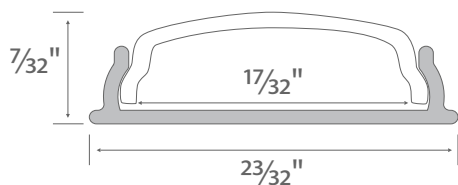
Specification

Length	94in
Internal width	0.52in
Finish	Silver
Diffuser	Milky
Material	Anodized Aluminum
Installation	Surface Mount
Accessories	End cap, Mounting clip

7/32"   17/32"   23/32"

Models

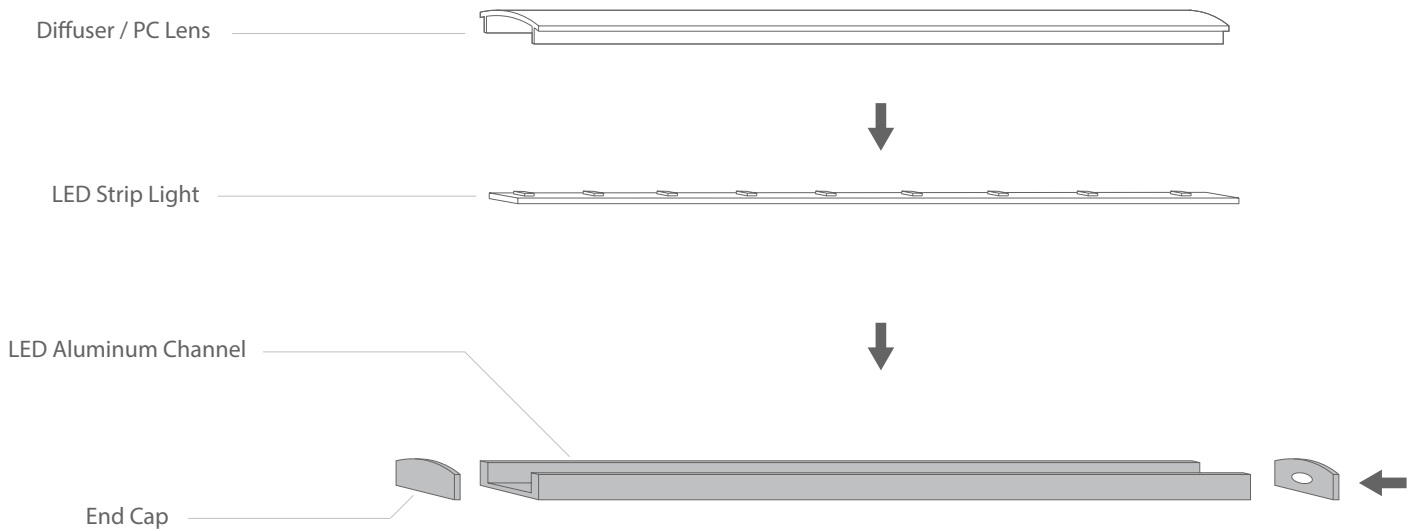| Model No.	Finish Color	Diffuser Type	Dimension (L x W xH)	Application
YD-1806-AL-8-M	Silver	Milky	94x0.7x0.22in	Indoor, Outdoor

Accessories (Sold Separately)

YD 1806 End Caps
YD-1806-EC

YD 1806 Metal Clip
YD-1806-MC

Installation Diagram

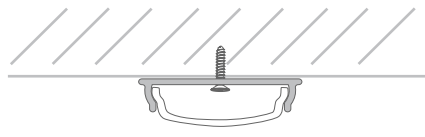Diffuser / PC Lens

LED Strip Light

LED Aluminum Channel
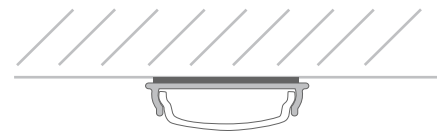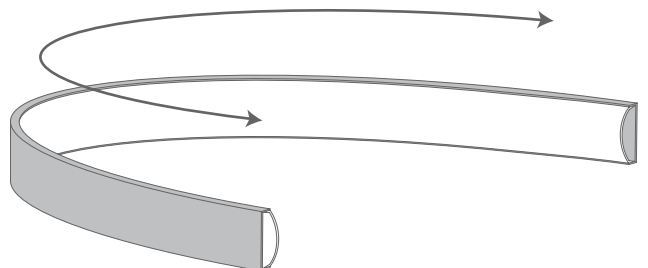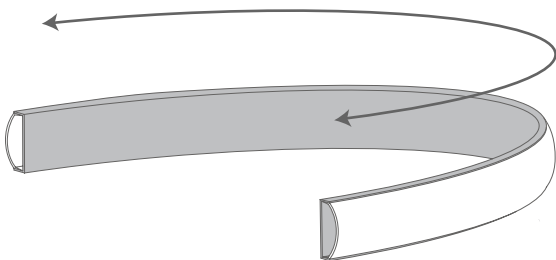
End Cap

Mounting Options

Surface Mount
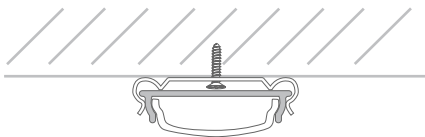
Surface mounting with Mounting Clips

Surface mounting with Screws
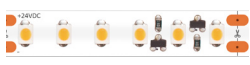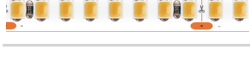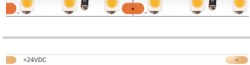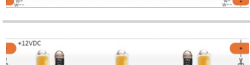
Surface mounting with 3M Tape

Bending Options

GL LED US LIGHTING reserves the right to modify this specification without prior notices.

Compatible LED Strip Lights

	Series	Model No.	Width	LED Quantity	Light Filling Level	Hotspots Level
	INFINITE	GL-3528-120-xxxxK-24V-IP20-CC	0.39in	34 LEDs/ft	Full	Hotspot
	ECO	GL-3528-112-xxxxK-xxV-IPxx	0.39in	34 LEDs/ft	Full	Hotspot
	PRO	GL-3528-240-xxxxK-24V-IPxx	0.39in	73 LEDs/ft	Full	Hotspot
	LEGEND	GL-2835-240-xxxxK-24V-IPxx	0.39in	73 LEDs/ft	Full	Hotspot
	NARROW	GL-3528-120-xxxxK-12V-IP20-5MM	0.2in	36 LEDs/ft	Full	Hotspot
	COB	GL-COB-480-xxxxK-24V-IP20	0.39in	145 LEDs/ft	Full	No Hotspot
	TUNABLE WHITE	GL-2835-240-CCT-24V-IP20	0.39in	73 LEDs/ft	Full	Hotspot
	FOR BREAD	GL-2835-60-2500K-12V-IP20-B	0.39in	18 LEDs/ft	Full	Hotspot
	FOR MEAT	GL-2835-60-2900K-12V-IP67-M	0.39in	18 LEDs/ft	Full	Hotspot
	RGB HIGH BRIGHT	GL-5050-60-RGB-xxV-IPxx	0.39in	18 LEDs/ft	Full	Hotspot
	RGB SUPER BRIGHT	GL-3535-120-RGB-24V-IPxx	0.39in	34 LEDs/ft	Full	Hotspot
	RGBW	GL-5050-96-RGB+xxxxK-24V-IP20	0.47in	29 LEDs/ft	Full	Hotspot
	RGB DIGITAL	GL-5050-60-DIG-12V-IPxx	0.39in	18 LEDs/ft	Full	Hotspot

Light Filling Level

Full   Partial

Note:
We recommend to use two, or more, LED strips in a shallow channel that has internal width that is greater then .8in to prevent partial filling.

Hotspots Visible Level

No Hotspot   Partial Hotspot   Hotspot

Note:
When LEDs are used with aluminum channel there may be hot spots. The more depth of a channel, and/or density of a LED, can help reduce visible hot spots