

## FEATURES AND SPECIFICATIONS

Texas Fluorescents introduces an eye-catching selection of LED Linear Lighting channels that can be surface or pendant mounted individually or in a continuous run that put a line of light where you want it with unmatched styling and energy efficiency. Utilizing the latest in LED High Powered 24 volt Tape Lighting sized exactly to the specific channel provides micro-illumination that will not only highlight the area around it beautifully but say "look here." Ideal for general lighting applications in both commercial and residential applications for circulation spaces, high impact areas and residentially over tables, kitchen islands and home offices. The versatility and clean styling makes this an ideal choice in many applications.

Each Linear Channel is available in popular sizes, four or eight feet, or can be custom sized for your specific application within some small parameters or can be joined together for longer runs. Each channel requires a remote 24 volt driver sized to the wattage of the channel to power the LED Tape.

This Micro Square Channel utilizes a snap in drop down lens to provide 350 lumens per foot using less than 6 watts.

## MATERIALS

Anodized Aluminum Channel is lightweight, small dimensions, and dissipates heat well, designed especially for the flexible LED Tape. Highly tooled plastic end caps screw onto the aluminum channel and protect the channel and LED tape from dust and keep the LED Tape clean and in optimum condition. A raceway in the back of the channel provides both a heat sink for the LED Tape and a holder for screws to pendant mount the Channels. The channels can be suspended or flush mounted. Flush mounting requires fastening the channel to the surface from inside the Channel prior to adding the LED Tape. So for surface mounting order Channel and LED separately. The channels are factory or field cuttable to any length but exact length should be determined by the application and the exact length of LED Tape that will provide smooth, consistent lighting through out. Joiner splines are available to join Channels together.

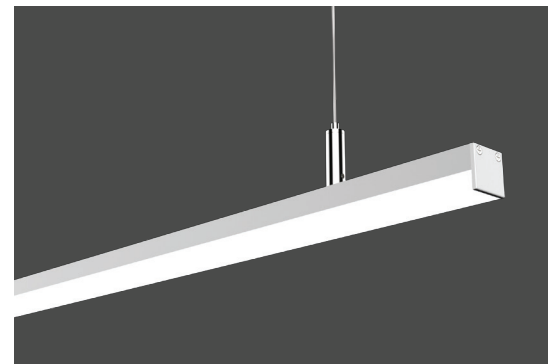
Snap in frosted lens is specially formulated for smooth illumination of the LED Tape. Lens drops down from the channel for an intriguing spill of light out the sides.

## ELECTRICAL

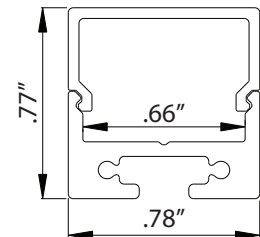
High Powered and high quality LED Tape is flexible and designed for high temperature resistant PCB. Tape provides 120 degree illumination in choice of two color temperatures, 3000K or 4000K. The LED tape has a 50,000 average life and is 24V. Tape comes in a 16 foot reel and is designed to be cut every 2 to 4 inches depending on the exact version. Clear 18 gauge electrical wire is soldered onto the LED tape and comes standard 10 feet. All LED Tapes require a 24V remote driver, sold separately.

## WARRANTY

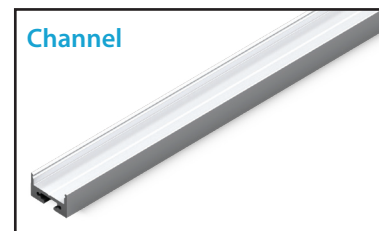
Five Year Limited Warranty.



## DIMENSIONS

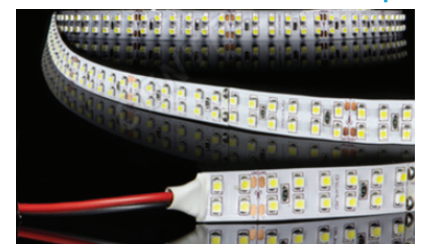


## COMPONENTS



Channel

LED Tape



### MOUNTING

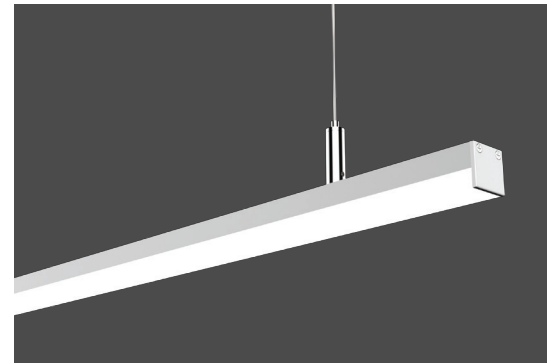
Channels can be surface mounted or pendant mounted. Surface mounting requires specifying the Channel and LED tape separately so the channel can be mounted first with screws and molly bolts through the channel to the surface. The LED tape will need to be ordered separately and then field installed. The LED tape will come with 10 feet of 18 gauge clear wire soldered on.

For pendant mounting, a choice of two sizes of cable kits are available. Each kit comes with 2 cable kits and a canopy. Both kits are fastened to the channel with a screw that floats anywhere along the small channel on the backside of the larger channel. One kit has a small connector for just the cable to be screwed to a surface with screw and molly bolt. The second kit has a connector for both the cable and the electrical cord, and is wired through the canopy. The connector can either be fastened directly to the surface without a junction box or a white canopy and junction box bracket are provided to fasten to a standard 4 inch junction box.

Each channel requires installation of a remote driver wired to the electrical wiring provided with each channel. Channels can be combined to a single remote driver if total load does not exceed driver wattage rating.

### DRIVERS (Order Separately)

Choice of constant voltage drivers including: 24 Volt Magnetic Drivers from Magnetude which is Dimmable with any Standard MLV Triac Dimmer or Electronic Driver from AC Electronic which is Dimmable with 0 - 10 Volt Dimming. See Driver Specification Sheets for details. These Class 2 remote power supplies in 24 Volt are required and need to be wired to the channels power cord in a junction box. Care should be taken to make sure the Driver is mounted within the distance recommended to the Channel itself for best performance. Wire gauge and driver alter the recommended distance. See Driver Specifications for More Detail.



Suspension using cable kit. (Order Separately)

1 canopy provided with cable kit.

## ORDERING GUIDE

The LLL Series can be ordered in multiple ways to provide the most flexibility to meet your exact applications and enable the best value. Order Complete Unit (Aluminum channel with LED Tape Installed) in Standard Sizes or Custom Sizes (Available in small increments) with Choice of Remote Drivers (Electronic for 0-10 Volt Applications or Magnetic for Low Voltage 2 Wire Applications). Order Aluminum channel and LED tape separately to Length in Standard Sizes or Custom Sizes (Available in small increments) with Choice of Remote Drivers (Electronic for 0-10 Volt Applications or Magnetic for Low Voltage 2 Wire Applications) for field installation of Tape to channel. This option is ideal for surface mount applications and when multiple run lengths are required that need to be field measured at time of installation.

### Pendant Channels

Ordering Complete Fixture (Driver and Cable Kit Sold Separately)

Example: LLLSA48L35W2246L30KSA

LLLSA	48L	23W1500L	30K	SA
<b>Series</b>	<b>Lengths*</b>	<b>Wattage &amp; Lumen**</b>	<b>Color Temperature</b>	<b>Finish</b>
LLLSA 0.87" SQUARE BODY	<b>Popular Sizes</b> 48L 47.75" 97L 97"	<b>23W1500L</b> 23 System Watts, 1500 Delivered Lumens - Designated for 48L. <b>46W3000L</b> 46 System Watts, 3000 Delivered Lumens - Designated for 97L.	<b>30K</b> 3000K <b>40K</b> 4000K	<b>SA</b> Satin Aluminum - Consult for Custom Finishes

#### Specifying Custom Size

#### \*Determine the Size

(Choose any Size from 2" to 98" in 2" Increments)  
\_\_\_ L - Custom Length in Inches in 2" Multiples

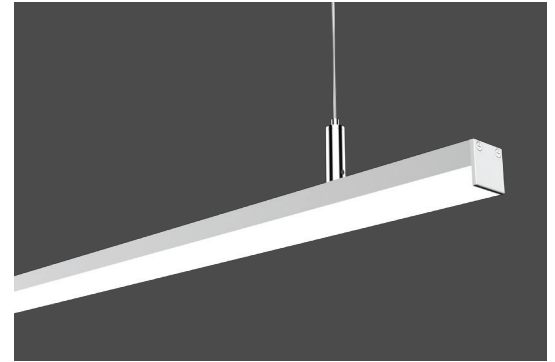
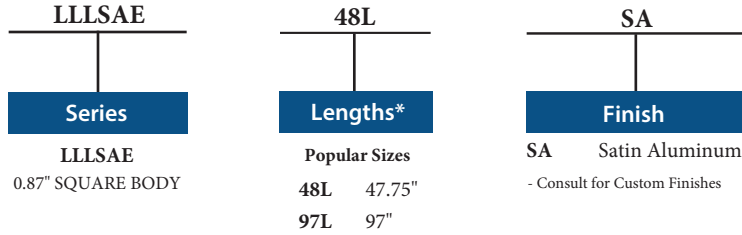
#### \*\*Calculate Wattage and Lumens

Wattage: Multiply Length in Inches x .49  
Lumens: Multiply Length in Inches x 29.25  
\_\_\_ W = .49 x \_\_\_ Inches      \_\_\_ L = 29.25 x \_\_\_ Inches

**Surface Mount Channels**

**Ordering Channel and Tape Components**  
(Driver Sold Separately)

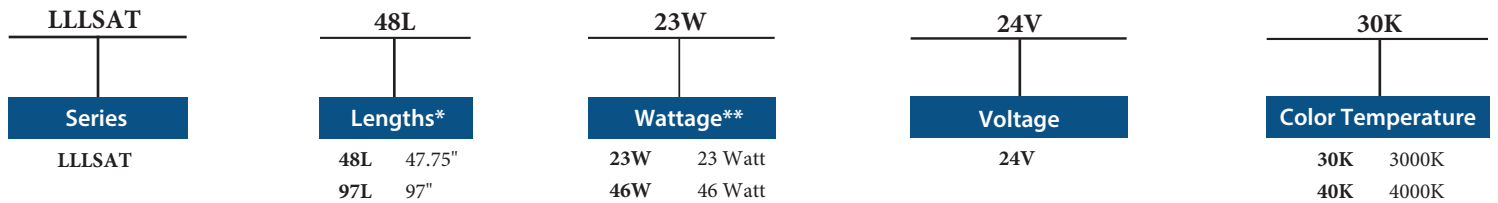
**Example: LLLSAE48LSA**



<b>Specifying Custom Size</b>	<p><b>*Determine the Size</b> (Choose any Size from 2" to 98" in 2" Increments) ____L - Custom Length in Inches in 2" Multiples</p>
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**Tape Only**

**Example: LLLSAT48L23W24V30K**



<b>Specifying Custom Size</b>	<p><b>*Determine the Size</b> (Choose any Size from 2" to 98" in 2" Increments) ____L - Custom Length in Inches in 2" Multiples</p>	<p><b>**Calculate Wattage and Lumens</b> Wattage: Multiply Length in Inches x .49 Lumens: Multiply Length in Inches x 29.25 ____W = .49 x ____Inches      ____L = 29.25 x ____Inches</p>
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**Mounting Kits (Order Separately)**

Part Number	Descriptions
<b>HC601WH*</b>	Cable kit with 6' Cable and Power feed/Cable Incl. and White Canopy
<b>HC602WH*</b>	Cable kit with 12' Cable and Power feed/Cable Incl. and White Canopy

\*Consult for different color canopies

**Accessories (Order Separately)**

Part Number	Descriptions
<b>LLLSACAPSA</b>	Extra End Caps - Satin Aluminum
<b>LLLSAJOIN</b>	Joiner to Join Two Channels

**Drivers** - Choice of Magnetic or Electronic Drivers.

Magnetic Driver from Magnitude is Dimmable with any Standard MLV Triac Dimmer or Electronic Driver from AC Electronic is Dimmable with 0 - 10 Volt Dimming. See Driver Specification Sheets for details.

Brand	Part Number	Maximum Wattage	Dimensions	Remote Distance (max)
Magnitude	<b>MTIM40L24DC</b>	40W	5.6"L X 2.14"W X 2"H	20ft
Magnitude	<b>MTIM60L24DC</b>	60W	6.55"L X 2.55"W X 2.25"H	15ft
Magnitude	<b>MTIM100L24DC</b>	100W	6.55"L X 2.55"W X 2.25"H	10ft
Magnitude	<b>MTIM150L24DC</b>	150W	6.55"L X 2.55"W X 2.25"H	5ft
AC Electronic	<b>ACA25VD24H104</b>	25W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	<b>ACA60VD24H25</b>	60W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	<b>ACA100VD24H41</b>	100W	9.5L" X 2.4"W X 1.46" H	18ft

Output Voltage - 24VDC.

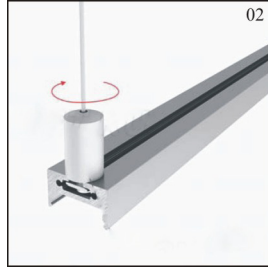
Catalog Number:
Notes:

**INSTALLATION INSTRUCTIONS**

**Pendant**



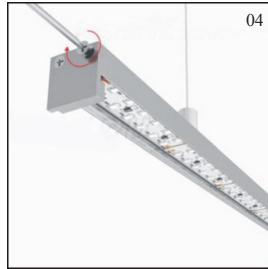
Drill hole for power cord.



Mounting for cable kit can slide anywhere along channel.



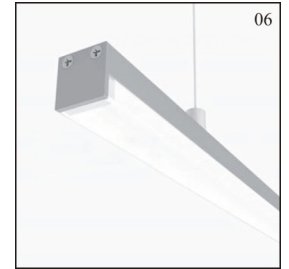
Mount LED tape to channel with double sided tape. (LED Tape sold separately)



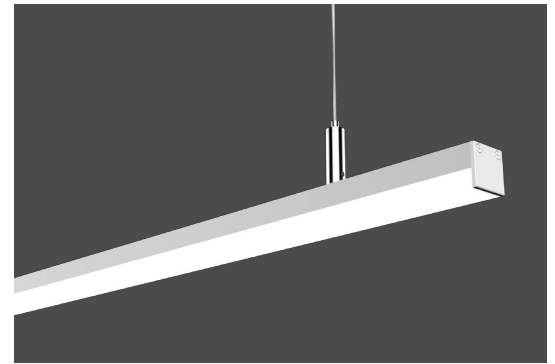
Screw end caps to channel.



Snap in lens.



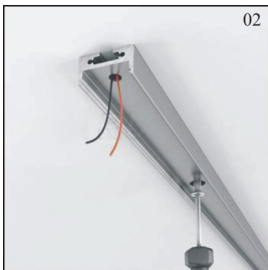
Turn on and ENJOY!



**Surface Mount**



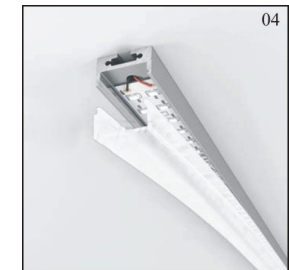
Drill holes for power cord and to mount to surface.



Wire the channel and attach to the surface with screws.



Mount LED tape to channel with double sided tape. (LED Tape sold separately)



Snap in lens.



Screw end caps to channel.



Turn on and ENJOY!