TEXAS FLUORESCENTS

LLL Series

RA LED Linear Lighting Channel

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 Round Channel utilizes a snap in drop down lens to provide 527 lumens per foot using less than 8.78 watts.

Surface mounting of LLLRA Series is physically possible but due to its round shape, aesthetic preference should be considered.

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.

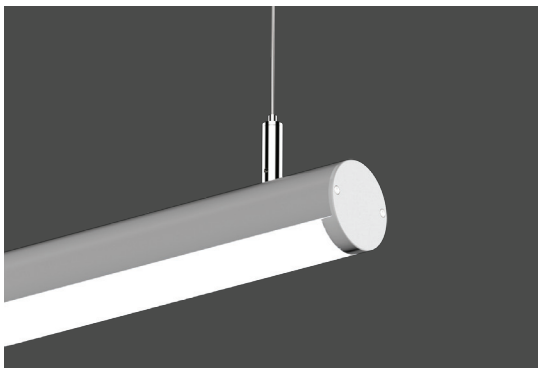
Snap in flush frosted lens is specially formulated for smooth illumination of the LED Tape.

ELECTRICAL

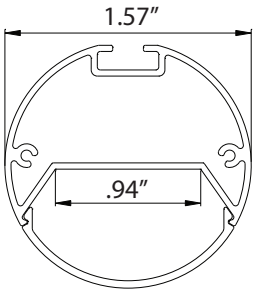
High Powered and high quality LED Tape is flexible and designed for high temperature resistant PCB. Tape provides 120 degree illumination in choice of two color temperatures, 3000K or 4000K. The LED tape has a 50,000 average life and is 24V. Tape comes in a 16 foot reel and is designed to be cut every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

Texas Fluorescents
2055 Luna Rd. Suite 142 Carrollton, TX 75006
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www.texasfluorescents.com email: sales@texasfluorescents.com

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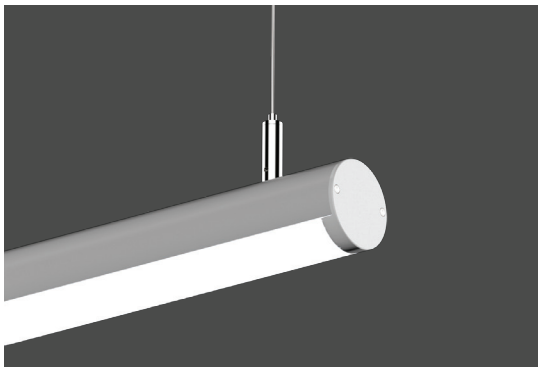
RA LED Linear Lighting Channel

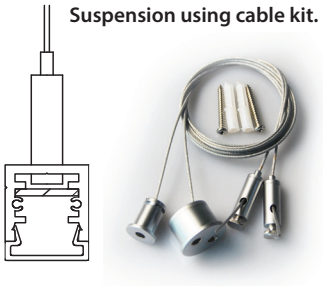


MOUNTING

Channels can be pendant mounted with a choice of two sizes of cable kits. 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.

Suspension using cable kit. (Order Separately)



1 canopy provided with cable kit.

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.

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: LLLRA48L35W2246L30KSA

LLLRA	48L	35W2246L	30K	SA
Series	**Lengths***	**Wattage & Lumen****	**Color Temperature**	**Finish**
LLLRA 1.38" Dia. ROUND BODY	**Popular Sizes** **48L** 47.75" **97L** 97"	**35W2246L** 35 System Watts, 2246 Delivered Lumens - Designated for 48L **69W4492L** 69 System Watts, 4492 Delivered Lumens - Designated for 97L	**30K** 3000K **40K** 4000K	**SA** 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 .73
Lumens: Multiply Length in Inches x 44.5
____W = .73 x____Inches ____L = 44.5 x____Inches

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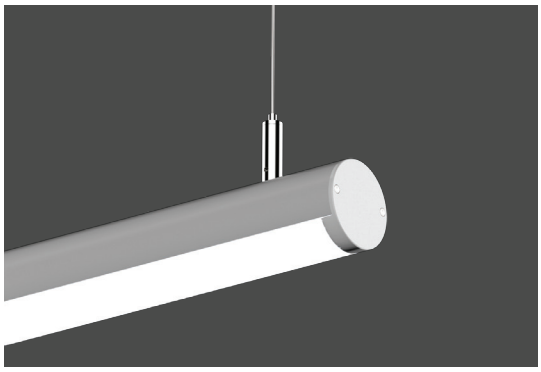
RA LED Linear Lighting Channel



Ordering Channel and Tape Components (Driver Sold Separately)

Example: LLLRAE48LSA

LLLRAE	48L	SA
Series	**Lengths***	**Finish**
LLLRAE	**Popular Sizes**	**SA** Satin Aluminum
1.38" Dia. ROUND BODY	**48L** 47.75"	- Consult for Custom Finishes
	97L 97"	

Specifying Custom Size

***Determine the Size**

(Choose any Size from 2" to 98" in 2" Increments)

____L - Custom Length in Inches in 2" Multiples

Tape Only

Example: LLLRAT48L35W24V30K

LLLRAT	48L	35W	24V	30K
Series	**Lengths***	**Wattage****	**Voltage**	**Color Temperature**
LLLRAT	**48L** 47.75"	**35W** 35 Watt	**24V**	**30K** 3000K
	97L 97"	**69W** 69 Watt		**40K** 4000K

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 .73

Lumens: Multiply Length in Inches x 44.5

____W = .73 x____Inches ____L = 44.5 x____Inches

Mounting Kits (Order Separately)

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

*Consult for different color canopies

Accessories (Order Separately)

Part Number	Descriptions
LLLRACAPSA	Extra End Caps - Satin Aluminum
LLLRAJOIN	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	MTIM40L24DC	40W	5.6"L X 2.14"W X 2"H	20ft
Magnitude	MTIM60L24DC	60W	6.55"L X 2.55"W X 2.25"H	15ft
Magnitude	MTIM100L24DC	100W	6.55"L X 2.55"W X 2.25"H	10ft
Magnitude	MTIM150L24DC	150W	6.55"L X 2.55"W X 2.25"H	5ft
AC Electronic	ACA25VD24H104	25W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA60VD24H25	60W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA100VD24H41	100W	9.5L" X 2.4"W X 1.46" H	18ft

Output Voltage - 24VDC.

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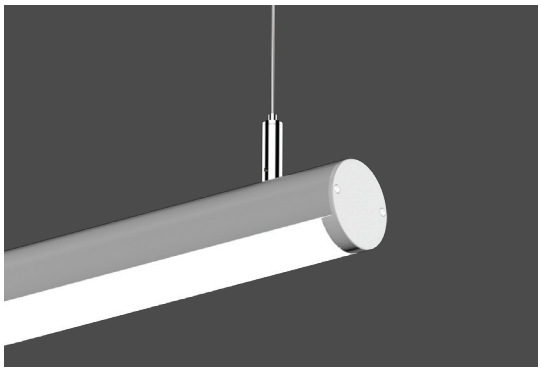
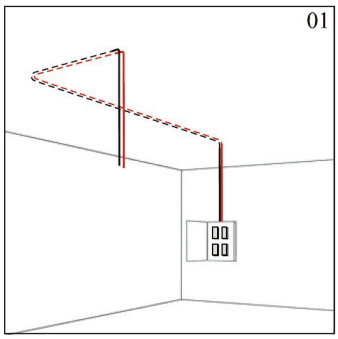
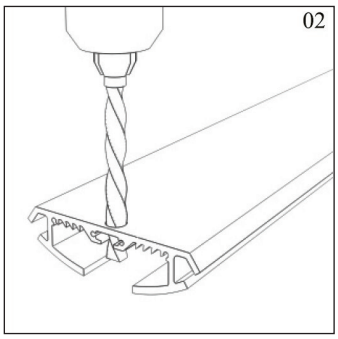
INSTALLATION INSTRUCTIONS



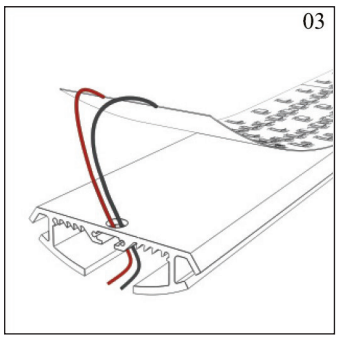
Pendant Mount Only



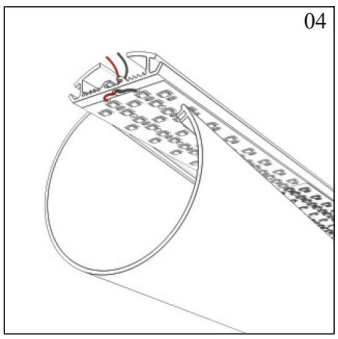
Wire wall switch to driver and juction box.



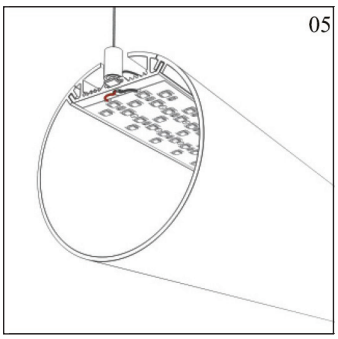
Drill holes for power cord and to mount to surface.



Mount LED tape to channel and wire channel.
(LED Tape sold separately)

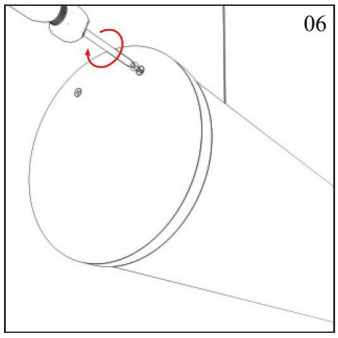


Snap in lens.

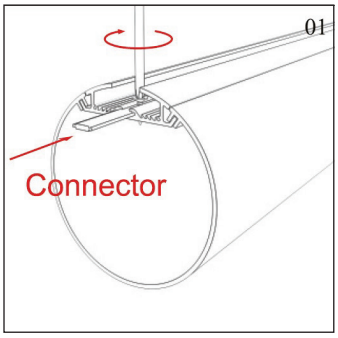


Mounting for cable kit can slide anywhere along channel.

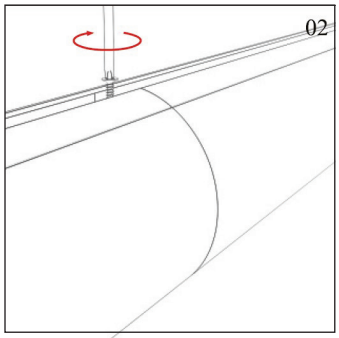
Joining 2 Channels (Joiner sold separately)



Screw end caps to channel.



Add Joiner accessory in raceway on top of channel to ensure proper alignment of channels.



Connect next channel to Joiner accessory and align.

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TEXAS FLUORESCENTS

LLL Series

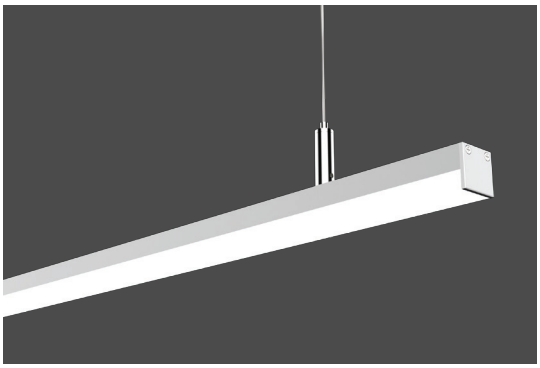
SA LED Linear Lighting Channel

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.

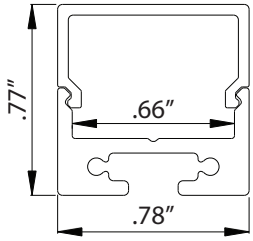


MATERIALS

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.

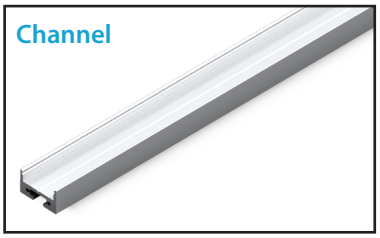
Snap in frosted lens is specially formulated for smooth illumination of the LED Tape. Lens drops down from the channel for an intriguing spill of light out the sides.

DIMENSIONS

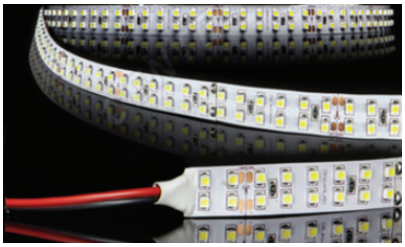


COMPONENTS

Channel



LED Tape



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 soldiered onto the LED tape and comes standard 10 feet. All LED Tapes require a 24V remote driver, sold separately.

WARRANTY

Five Year Limited Warranty.

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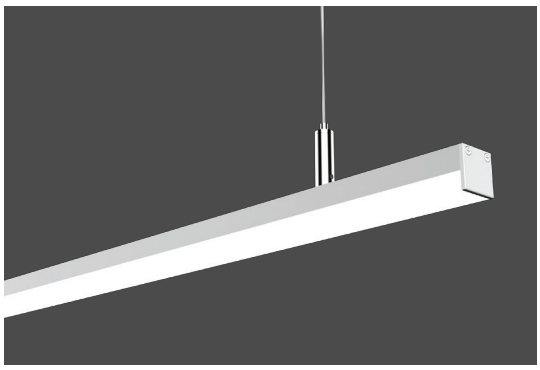
MOUNTING

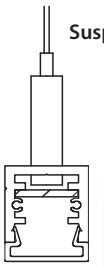
Channels can be surface mounted or pendant mounted. Surface mounting requires specifying the Channel and LED tape separately so the channel can be mounted first with screws and molly bolts through the channel to the surface. The LED tape will need to be ordered separately and then field installed. The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



Suspension using cable kit. (Order Separately)



1 canopy provided with cable kit.

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.

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
Series	**Lengths***	**Wattage & Lumen****	**Color Temperature**	**Finish**
LLLSA 0.87" SQUARE BODY	**Popular Sizes** **48L** 47.75" **97L** 97"	**23W1500L** 23 System Watts, 1500 Delivered Lumens - Designated for 48L **46W3000L** 46 System Watts, 3000 Delivered Lumens - Designated for 97L	**30K** 3000K **40K** 4000K	**SA** 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

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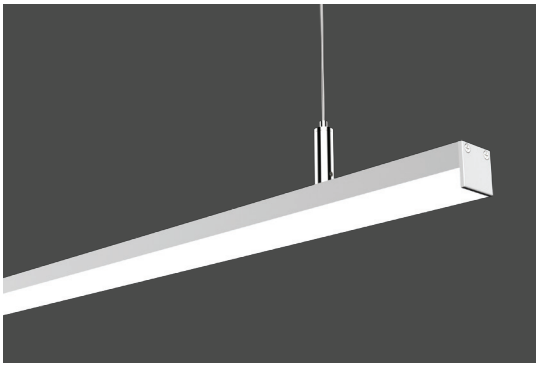
Surface Mount Channels



Ordering Channel and Tape Components (Driver Sold Separately)

Example: LLLSAE48LSA

LLLSAE	48L	SA
Series	**Lengths***	**Finish**
LLLSAE 0.87" SQUARE BODY	**Popular Sizes** **48L** 47.75" **97L** 97"	**SA** 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

Tape Only

Example: LLLSAT48L23W24V30K

LLLSAT	48L	23W	24V	30K
Series	**Lengths***	**Wattage****	**Voltage**	**Color Temperature**
LLLSAT	**48L** 47.75" **97L** 97"	**23W** 23 Watt **46W** 46 Watt	**24V**	**30K** 3000K **40K** 4000K

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

Mounting Kits (Order Separately)

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

*Consult for different color canopies

Accessories (Order Separately)

Part Number	Descriptions
LLLSACAPSA	Extra End Caps - Satin Aluminum
LLLSAJOIN	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	MTIM40L24DC	40W	5.6"L X 2.14"W X 2"H	20ft
Magnitude	MTIM60L24DC	60W	6.55"L X 2.55"W X 2.25"H	15ft
Magnitude	MTIM100L24DC	100W	6.55"L X 2.55"W X 2.25"H	10ft
Magnitude	MTIM150L24DC	150W	6.55"L X 2.55"W X 2.25"H	5ft
AC Electronic	ACA25VD24H104	25W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA60VD24H25	60W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA100VD24H41	100W	9.5L" X 2.4"W X 1.46" H	18ft

Output Voltage - 24VDC.

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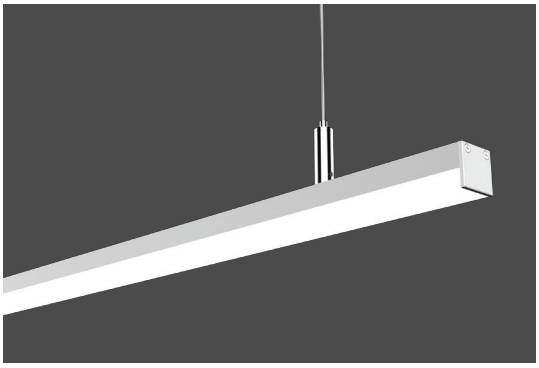
Catalog Number:
Notes:

TEXAS FLUORESCENTS

LLL Series

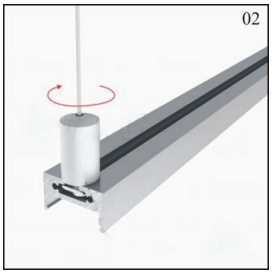
SA LED Linear Lighting Channel

INSTALLATION INSTRUCTIONS



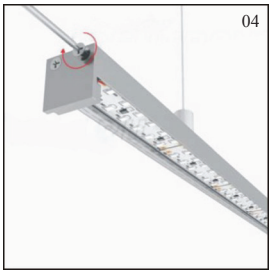
Pendant

Drill hole for power cord.



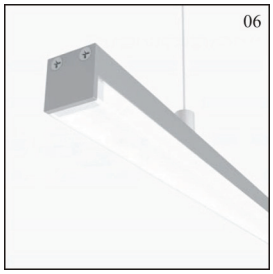
Mounting for cable kit can slide anywhere along channel.

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



Screw end caps to channel.

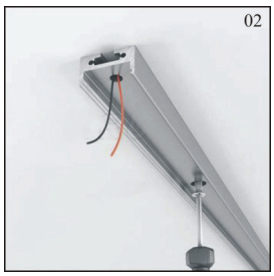
Snap in lens.



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!

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TEXAS FLUORESCENTS

LLL Series

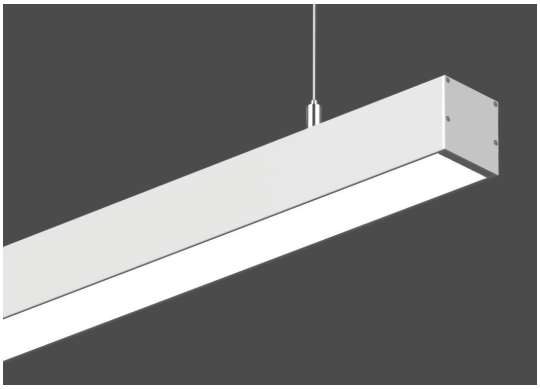
SB LED Linear Lighting Channel

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 Square Channel utilizes a snap in drop down lens to provide 534 lumens per foot using less than 10.5 watts.

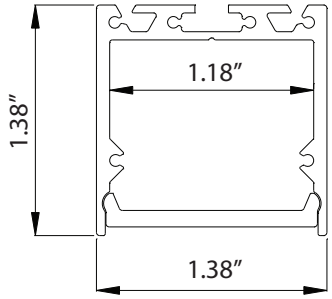


MATERIALS

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 flush frosted lens is specially formulated for smooth illumination of the LED Tape.

DIMENSIONS

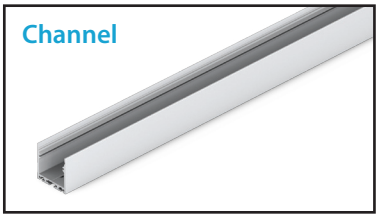


ELECTRICAL

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 soldiered onto the LED tape and comes standard 10 feet. All LED Tapes require a 24V remote driver, sold separately.

COMPONENTS

Channel



LED Tape

WARRANTY

Five Year Limited Warranty.

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Notes:

TEXAS FLUORESCENTS

LLL Series

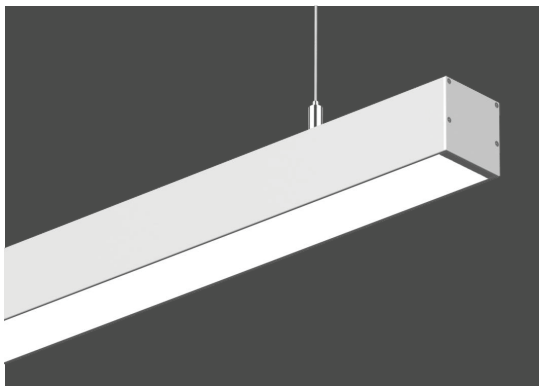
SB LED Linear Lighting Channel

MOUNTING

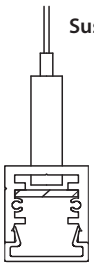
Channels can be surface mounted or pendant mounted. Surface mounting requires specifying the Channel and LED tape separately so the channel can be mounted first with screws and molly bolts through the channel to the surface. The LED tape will need to be ordered separately and then field installed. The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



Suspension using cable kit. (Order Separately)



1 canopy provided with cable kit.

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.

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: LLLSB47L42W2488L30KSA

LLLSB	47L	42W2488L	30K	SA
Series	**Lengths***	**Wattage & Lumen****	**Color Temperature**	**Finish**
LLLSA 1.18" SQUARE BODY	**Popular Sizes** **47L** 47" **96L** 96"	**42W2488L** 42 System Watts, 2488 Delivered Lumens - Designated for 47L **83W4976L** 83 System Watts, 4976 Delivered Lumens - Designated for 96L	**30K** 3000K **40K** 4000K	**SA** Satin Aluminum - Consult for Custom Finishes

Specifying Custom Size

***Determine the Size**
(Choose any Size from 3.35" to 98" in 3.35" Increments)
____L - Custom Length in Inches in 3.35" Multiples

****Calculate Wattage and Lumens**
Wattage: Multiply Length in Inches x .88
Lumens: Multiply Length in Inches x 44.5
____W = .88 x____Inches ____L = 44.45 x____Inches

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TEXAS FLUORESCENTS

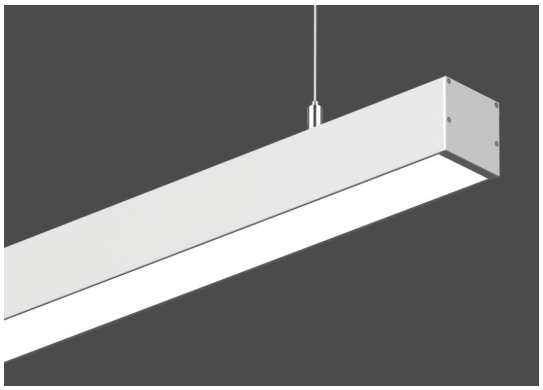
LLL Series

SB LED Linear Lighting Channel

Surface Mount Channels

Ordering Channel and Tape Components **Example: LLLSBE47LSA**
(Driver Sold Separately)

LLLSBE	47L	SA
Series	**Lengths***	**Finish**
LLLSBE 1.18" SQUARE BODY	**Popular Sizes** **47L** 47" **96L** 96"	**SA** Satin Aluminum - Consult for Custom Finishes



Specifying Custom Size

***Determine the Size**
(Choose any Size from 3.35" to 98" in 3.35" Increments)
____L - Custom Length in Inches in 3.35" Multiples

Tape Only **Example: LLLSBT48L42W24V30K**

LLLSBT	47L	42W	24V	30K
Series	**Lengths***	**Wattage****	**Voltage**	**Color Temperature**
LLLSBT	**47L** 47" **96L** 96"	**42W** 42 Watt **83W** 83 Watt	**24V**	**30K** 3000K **40K** 4000K

Specifying Custom Size

***Determine the Size**
(Choose any Size from 3.35" to 98" in 3.35" Increments)
____L - Custom Length in Inches in 3.35" Multiples

****Calculate Wattage and Lumens**
Wattage: Multiply Length in Inches x .88
Lumens: Multiply Length in Inches x 44.5
____W = .88 x____Inches ____L = 44.45 x____Inches

Mounting Kits (Order Separately)

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

*Consult for different color canopies

Accessories (Order Separately)

Part Number	Descriptions
LLLSBCAPSA	Extra End Caps - Satin Aluminum
LLLSAJOIN	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	MTIM40L24DC	40W	5.6"L X 2.14"W X 2"H	20ft
Magnitude	MTIM60L24DC	60W	6.55"L X 2.55"W X 2.25"H	15ft
Magnitude	MTIM100L24DC	100W	6.55"L X 2.55"W X 2.25"H	10ft
Magnitude	MTIM150L24DC	150W	6.55"L X 2.55"W X 2.25"H	5ft
AC Electronic	ACA25VD24H104	25W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA60VD24H25	60W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA100VD24H41	100W	9.5L" X 2.4"W X 1.46" H	18ft

Output Voltage - 24VDC.

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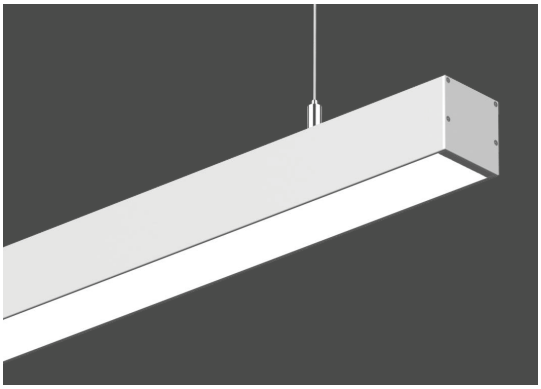
TEXAS FLUORESCENTS

LLL Series

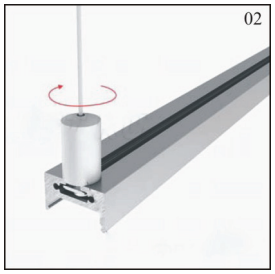
SB LED Linear Lighting Channel



INSTALLATION INSTRUCTIONS

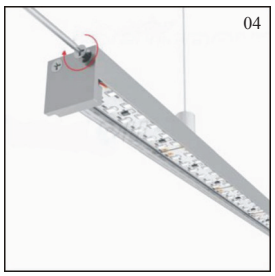
Pendant

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)

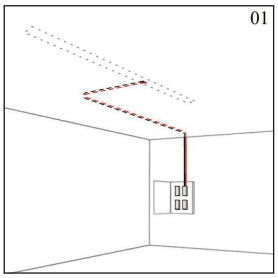


Screw end caps to channel.

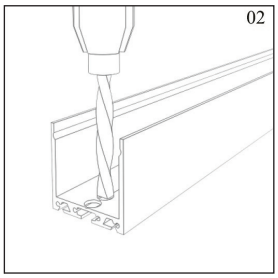
Snap in lens.

Turn on and ENJOY!

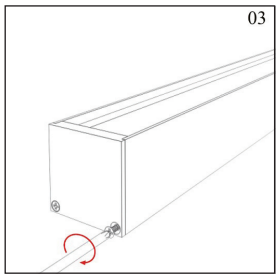
Surface Mount



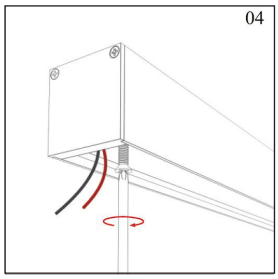
Wire wall switch to driver and juction box.



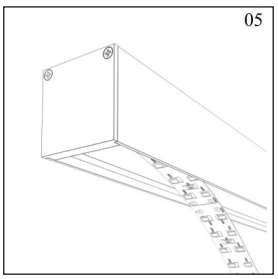
Drill holes for power cord and to mount to surface.



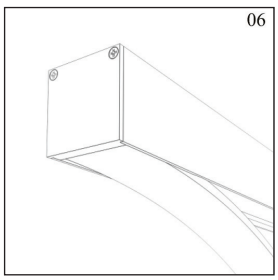
Screw end caps to channel.



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.

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TEXAS FLUORESCENTS

LLL Series

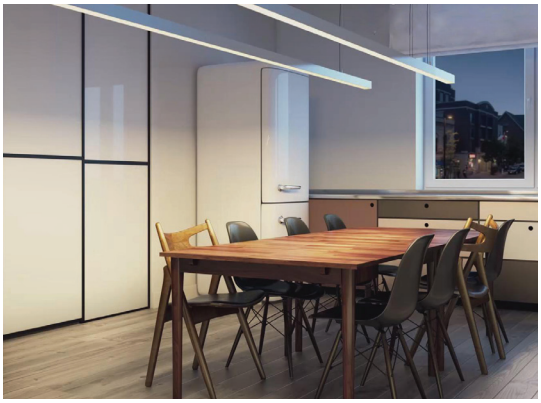
SC LED Linear Lighting Channel

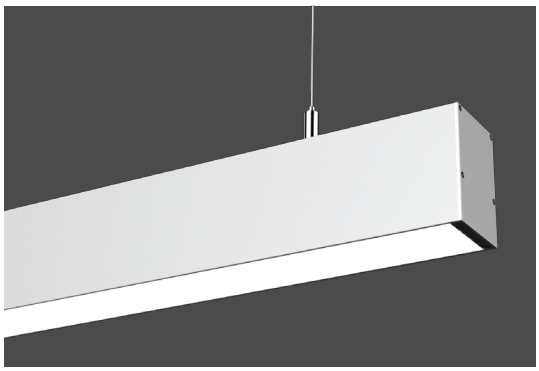
FEATURES AND SPECIFICATIONS

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 Bold Square Channel utilizes a snap in drop down lens to provide 854 lumens per foot using less than 14.63 watts.



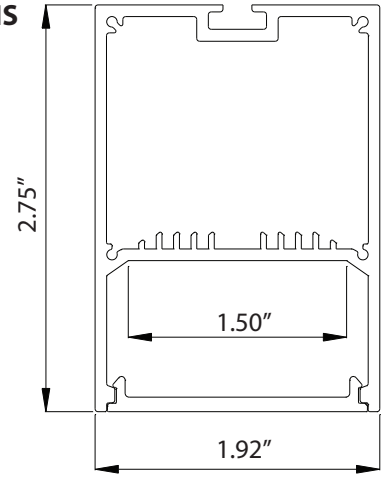


MATERIALS

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 flush frosted lens is specially formulated for smooth illumination of the LED Tape.

DIMENSIONS

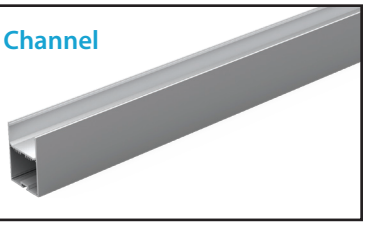


ELECTRICAL

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 soldiered onto the LED tape and comes standard 10 feet. All LED Tapes require a 24V remote driver, sold separately.

COMPONENTS

Channel



LED Tape

WARRANTY

Five Year Limited Warranty.

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LLL Series

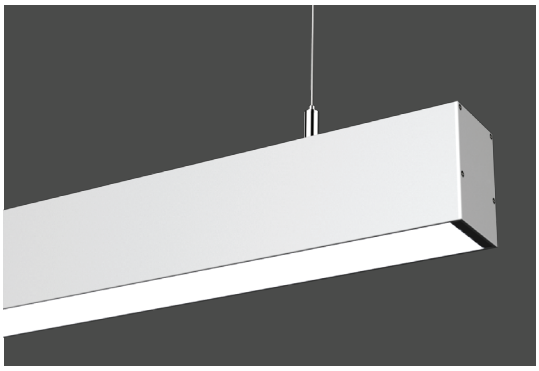
SC LED Linear Lighting Channel

MOUNTING

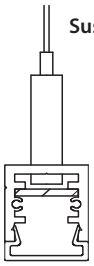
Channels can be surface mounted or pendant mounted. Surface mounting requires specifying the Channel and LED tape separately so the channel can be mounted first with screws and molly bolts through the channel to the surface. The LED tape will need to be ordered separately and then field installed. The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



Suspension using cable kit. (Order Separately)



1 canopy provided with cable kit.

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.

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: LLLSC48L58W3456L30KSA

LLLSC	48L	58W3456L	30K	SA
Series	**Lengths***	**Wattage & Lumen****	**Color Temperature**	**Finish**
LLLSC 2" SQUARE BODY	**Popular Sizes** **48L** 47.75" **97L** 97"	**58W3456L** 58 System Watts, 3456 Delivered Lumens - Designated for 48L **115W6912L** 115 System Watts, 6912 Delivered Lumens - Designated for 97L	**30K** 3000K **40K** 4000K	**SA** 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 1.22
Lumens: Multiply Length in Inches x 73.15
____W = 1.22 x____Inches ____L = 73.15 x____Inches

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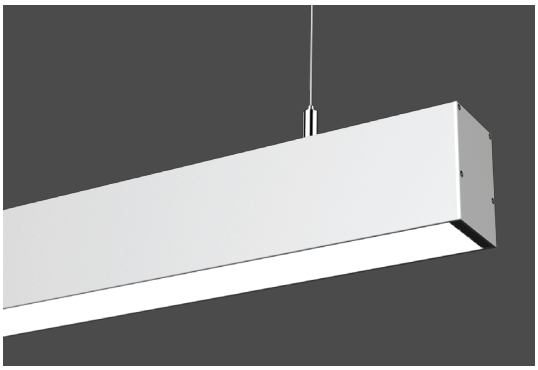
Catalog Number:
Notes:

TEXAS FLUORESCENTS

LLL Series

SC LED Linear Lighting Channel

Surface Mount Channels



Ordering Channel and Tape Components **Example: LLLSCE48LSA**
(Driver Sold Separately)

LLLSCE	48L	SA
Series	**Lengths***	**Finish**
LLLSCE 2" SQUARE BODY	**Popular Sizes** **48L** 47.75" **97L** 97"	**SA** 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

Tape Only **Example: LLLSCT48L58W24V30K**

LLLSCT	48L	58W	24V	30K
Series	**Lengths***	**Wattage****	**Voltage**	**Color Temperature**
LLLSCT	**48L** 47.75" **97L** 97"	**58W** 58 Watt **115W** 115 Watt	**24V**	**30K** 3000K **40K** 4000K

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 1.22
Lumens: Multiply Length in Inches x 73.15
____W = 1.22 x____Inches ____L = 73.15 x____Inches

Mounting Kits (Order Separately)

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

*Consult for different color canopies

Accessories (Order Separately)

Part Number	Descriptions
LLLSCCAPSA	Extra End Caps - Satin Aluminum
LLLRAJOIN	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	MTIM40L24DC	40W	5.6"L X 2.14"W X 2"H	20ft
Magnitude	MTIM60L24DC	60W	6.55"L X 2.55"W X 2.25"H	15ft
Magnitude	MTIM100L24DC	100W	6.55"L X 2.55"W X 2.25"H	10ft
Magnitude	MTIM150L24DC	150W	6.55"L X 2.55"W X 2.25"H	5ft
AC Electronic	ACA25VD24H104	25W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA60VD24H25	60W	9.5L" X 1.7"W X 1.14" H	18ft
AC Electronic	ACA100VD24H41	100W	9.5L" X 2.4"W X 1.46" H	18ft

Output Voltage - 24VDC.

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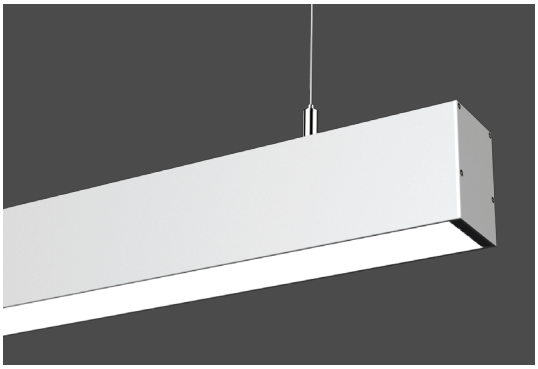
TEXAS FLUORESCENTS

LLL Series

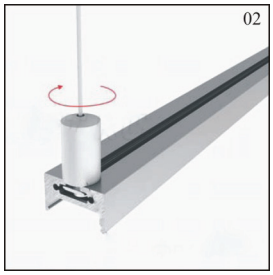
SC LED Linear Lighting Channel

INSTALLATION INSTRUCTIONS



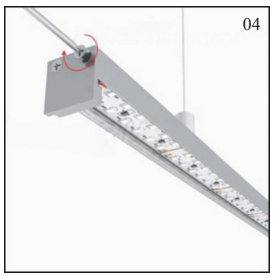
Pendant

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)

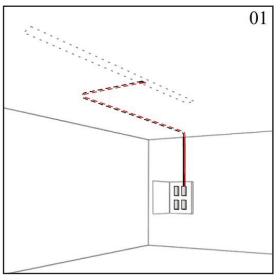


Screw end caps to channel.

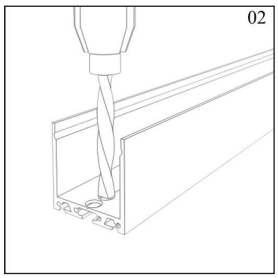
Snap in lens.

Turn on and ENJOY!

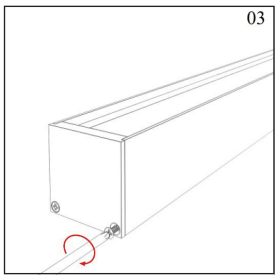
Surface Mount



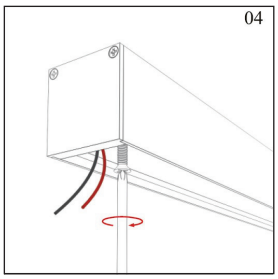
Wire wall switch to driver and juction box.



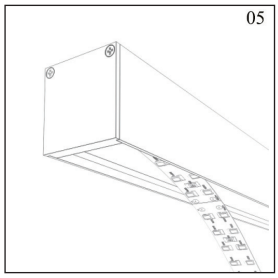
Drill holes for power cord and to mount to surface.



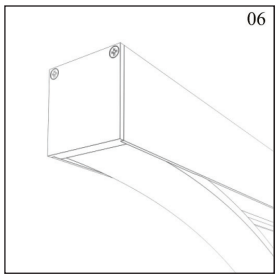
Screw end caps to channel.



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.

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