

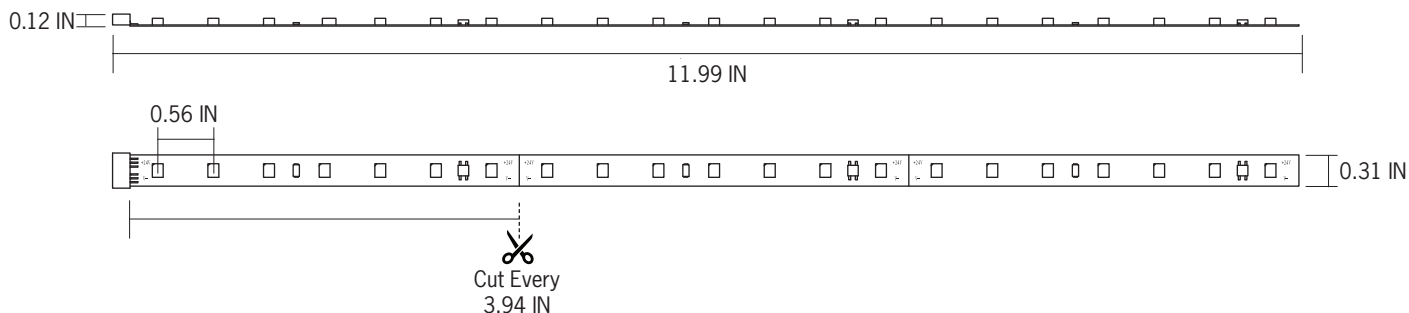
DATE

PROJECT

TYPE

TLT24V3 | 24V Super High Output (SHO) Performance LED Tapelight

WATTAGE	5.5W/Ft
LUMEN OUTPUT	644Lm/Ft (3000K)
LED DENSITY	21 LED/Ft (0.56" Spacing)
COLOR TEMPERATURE	2700K, 3000K, 3500K, 4000K
CRI	80+
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance
INPUT VOLTAGE	24V
DIMMING	Phase or 0-10V (Depending on Driver/Controller) DMX Using Optional Interface (TLPINT)
RUN LENGTH	20 Ft Max
AMBIENT OPERATING TEMP	-4° to 104°F (-20° to 40°C)
LISTING	cCSAus Certified to UL Standards Suitable for Dry or Damp Locations Not Suitable for Wet Locations
WARRANTY	Five (5) year full replacement guarantee after date of purchase when installed in mounting channel. <i>TLT24V3 Performance LED Tapelight Series must be installed in mounting channel for proper heat dissipation.</i>



Ordering Information

Example Order:

Tapelight Series	Output	Color Temp	Length/Quantity
TLT24V - 24VDC Performance LED Tapelight	3 - Super High Output (SHO)	27K - 2700K	12 - 12" Individual Segment
		3K - 3000K	12R - 20' Reel of 12" Segments (20 pieces total, Actual Length 19.79 Ft)
		35K - 3500K	20CR - 20 Ft Continuous Reel (Actual Length 19.79 Ft)
		4K - 4000K	

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TLT24V3 | 24V Super High Output (SHO) Performance LED Tapelight

Product Details

Features

- Flexible, low voltage linear LED accent lighting system provides high quality illumination for many indoor applications
- Easy to install modular “plug and play” system, no need for field soldering
- Wide range of power supplies, controllers, connectors and mounting channels
- Available in
 - 20' Reels consisting of connected, individual 12" segments
 - Individual 12" segments with male and female connectors ends
 - 20' Continuous Reels (no mid-connectors); one male and one female connector end
- All tapelight configurations are cuttable at 4" increments
- System designed and rated for 50,000 hours at 70% lumen maintenance when mounted in ConTech channel.

Performance Summary

- High output LEDs provide excellent luminous intensities at low drive currents
- Low power consumption and consistent, stable performance
- Delivers 644 lumens at 5.5W (delivered lumens based on 1 foot of 3000K tape)
- Single run length up to 20 feet on one 96W power supply
- Color consistency <3SDCM
- TLT24V3 Super High Output Performance LED Tapelight Series is available in 2700K, 3000K, 3500K and 4000K
- Dimmable using dimmable power supplies, controllers or DMX interface
- 3M Double sided adhesive on each segment

Warranty

- Covered by ConTech's five (5) year full replacement guarantee after date of purchase. TLT24V3 Super High Output Performance LED Tapelight Series must be installed in a mounting channel for proper heat dissipation. Failure to do so will result in tape malfunction and/or destruction, and warranty will not be honored.

Run Lengths

TLT24V 24V POWER SUPPLY INPUT: 24V DC	TLT24V3 SUPER HIGH OUTPUT (SHO) 5.5W/FT	
	MAX RUN	MAX SPLIT
20W	5 FT	7 FT
36W	7 FT	10 FT
60W	12 FT	18 FT
90W	18 FT	26 FT
96W	20 FT	30 FT

- Max split can be split more than once, without exceeding the max single run in each leg.
- Max Run refers to the total single run of tapelight that can go on a power supply. Max Split refers to the total amount of tapelight that can go on a driver if it were separated into two runs.
- Max Run lengths are calculated with 12V or 24V DC at the start of the tape run. Voltage drop may occur if not using proper wire gauge. Please refer to the Voltage Drop and Wire Length Distance chart.
- Max Run lengths are calculated with no more than 30% light loss from the start of the tape run to the end of the tape run for optimal light consistency. If run lengths are extended beyond the recommended lengths noted above, there will be inconsistent light output and voltage drop.
- Overall distance of LED tape under load [illuminated sections]. If exceeded damage to the power supply and LED tape may result.

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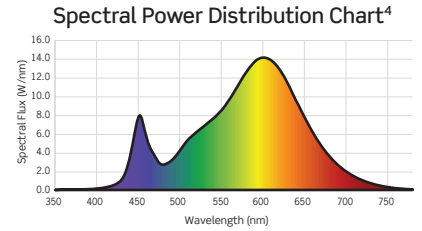
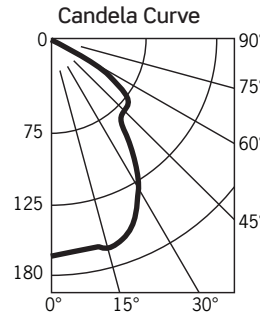
TLT24V3 | 24V Super High Output (SHO) Performance LED Tapelight

Photometrics

TLT24V33K12

Fixture Delivered Lumens: 644.2
 Total Watts@120V: 10.07
 Lumens Per Watt: 63.8
 Center Beam Candle Power: 234
 Beam Distribution: 113°
 Spacing Criterion: 1.3
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 3019K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G21010601
 LM-79 Test No. S20082601

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
2'	58.6	6.0
4'	14.6	12.0
6'	6.5	18.0
8'	3.7	24.0
10'	2.3	30.0
12'	1.6	36.0

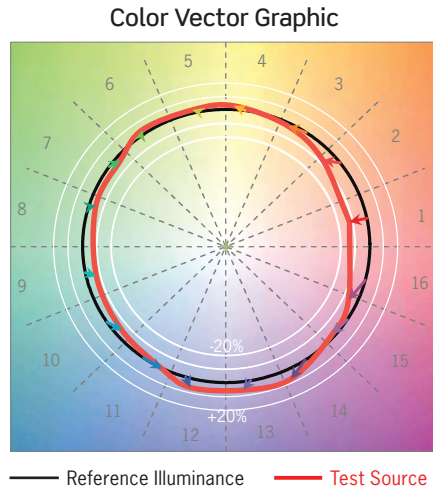


TM-30 Data

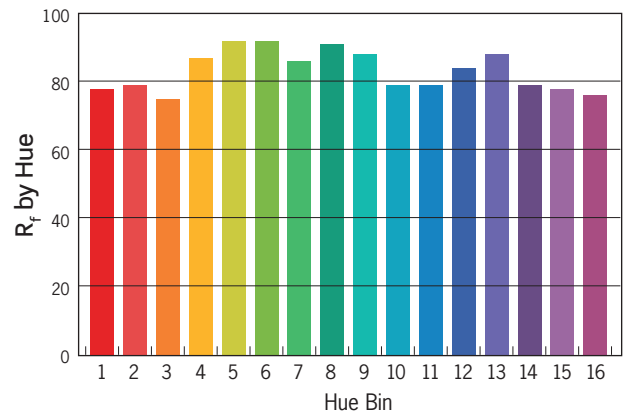
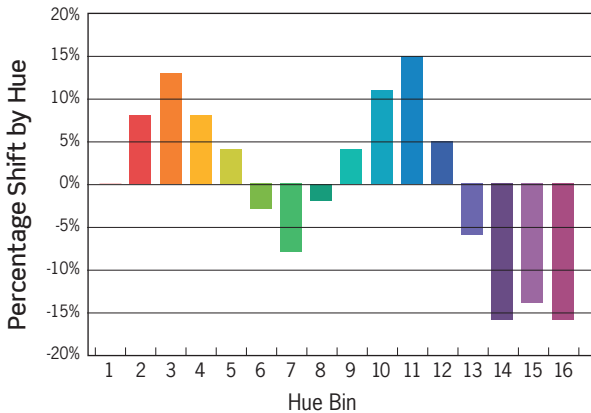
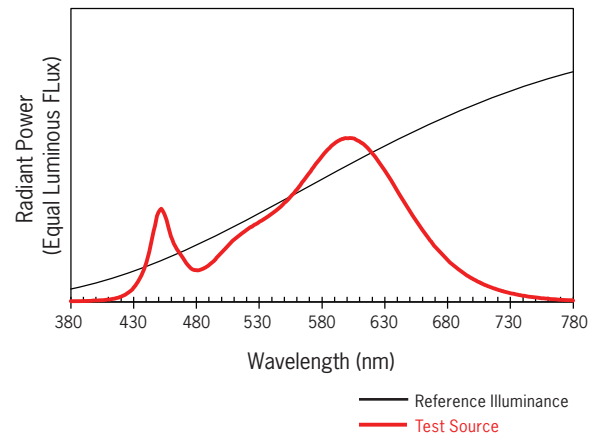
1. Accuracy of rendering colors 2. Color appearance of light source 3. Dependent on surrounding temperatures 4. Colors present within the light source

ANSI/IES TM-30-18 Color Rendition Report Test No. S20082601

R _f	83
R _g	96
CCT(K)	3019K
D _{uv}	-0.0020
u ^I	0.2506
v ^I	0.5183



Spectral Power Distribution Comparison



Colors are for visual orientation purposes only

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | 24V Power Supplies

24V Plug-In Power Supplies



TLP24VP Series

Plug-and-Play Power Supply

120VAC/24VDC. Includes AC wall plug and female power output barrel plug for easy installation. Class 2 listed.

For use with 24V LED Tapelight.

Power Supply/Wattage

TLP24VP36 - 36W

4-1/4" L x 2" W x 1-3/8" H

TLP24VP60 - 60W

4-1/2" L x 2" W x 1-3/8" H

TLP24VP96 - 96W

6-1/8" L x 2-3/8" W x 1-1/2" H

Quantity

24V Hardwire Power Supplies



TLP24VHW Series

Hardwire Power Supply

120VAC/24VDC. Includes stripped and tinned wire pigtails on the input and output sides. MUST BE MAINTAINED WITHIN AN ENCLOSURE THAT MEETS LOCAL BUILDING CODES AND NEC (SUPPLIED BY OTHERS). 1 Ft Wire leads. Class 2 recognized.

For use with 24V LED Tapelight.



TLP24VHW * MV-ENC Series

Hardwire Class 2 Constant Voltage Driver

120 – 277VAC/24VDC Dimming and non-dimming Class 2 Constant Voltage LED Drivers. UL Listed enclosure with built-in junction boxes. No minimum load requirement. Auto-reset protection for short circuit and over-temperature. Over load protection in CC mode. 0–10V Dimming driver delivers smooth flicker free linear dimming down to 1% with most LEDs and a wide variety of compatible dimmers.

0–10V Driver dimming not recommended when using TW/RGB/RGBW controllers.

For use with 24V LED Tapelight.

TLP24VHW20

20W 24V 120VAC: 5-3/4" L x 1-1/2" W x 1-1/4" D

TLP24VHW60

60W 24V 120VAC: 6-1/3" L x 1-3/4" W x 1-1/4" D

TLP24VHW96

96W 24V 120VAC: 8-3/4" L x 2-2/3" W x 1-1/2" D

Quantity



TLP24VHW * -ENC Series

Hardwire Class 2 Enclosed Driver

120VAC/24VDC. Dimmable Class 2 listed driver. Compact self-enclosed driver with two (2) knockouts. Auto Reset and short circuit protection. Dimmable with standard MLV/Incandescent TRIAC (Leading Edge) dimmers; 8W Min. load required for smooth dimming.

TRIAC Driver dimming not recommended when using TW/RGB/RGBW controllers.

For use with 24V LED Tapelight.

TLP24VHW60MV-ENC

60W 24V 120-277VAC, Non-Dimming Driver

TLP24VHW60MVD2-ENC

60W 24V 120-277VAC, 0-10V Dimming Driver

TLP24VHW96MV-ENC

96W 24V 120-277VAC, Non-Dimming Driver

TLP24VHW96MVD2-ENC

96W 24V 120-277VAC, 0-10V Dimming Driver

Quantity

TLP24VHW20-ENC

20W 24V 120VAC: 6-3/4" L x 2-2/3" W x 1-1/4" D

TLP24VHW60-ENC

60W 24V 120VAC: 6-3/4" L x 2-2/3" W x 1-1/4" D

TLP24VHW96-ENC

96W 24V 120VAC: 6-3/4" L x 2-2/3" W x 1-1/4" D

TLP24VHW96-ENC277V

96W 24V 277VAC: 10" L x 3" W x 3" D

Quantity



L3D0 Series

Hardwire Hi-Lume Premier Driver

Enclosed Class 2 96W Constant Voltage Driver with dimming down to 0.1% with compatible controls. Universal 120 - 277VAC input. Output wattage range 25-96W.

For use with 24V LED Tapelight.

L3D0-96W24V-U

96W 24V 120-277VAC: 5.5" W x 2" H x 10.5" L

Quantity

DATE PROJECT TYPE

PERFORMANCE LED TAPELIGHT | 12V & 24V Power Supply Accessories

Plug-and-Play Power Connectors



TLCEXT Series

Plug-and-Play Power Supply Extension

Includes male and female plug connectors.

Use with 12V or 24V Performance LED Tapelight

Not compatible with 24V RGBW Performance LED Tapelight series



TLCIP Series

Static Color Male Power Connector

Includes one (1) male plug connector and one (1) male flex tape connector.

Use with 12V or 24V Static Color Performance LED Tapelight

TLCEXT24 - 24 IN

TLCEXT48 - 48 IN

Quantity

TLCEXT36 - 36 IN

TLCEXT96 - 96 IN

TLCIP12 - 12 IN

TLCIP19 - 19 IN

Quantity



TLCS2

Plug-and-Play 2-Way Splitter

Includes one (1) male and two (2) female connectors. Approximately 2 Ft long.

Use with 12V or 24V Performance LED Tapelight

Not compatible with 24V RGBW Performance LED Tapelight series



TLCOP12

Static Color Female Power Connector

12 In. connector includes one (1) male plug connector and one (1) female flex tape connector.

Use with 12V or 24V Static Color Performance LED Tapelight

TLCS2 - 12V/24V Plug-and-Play 2-Way Splitter

Quantity

TLCOP - 12 Inch 12V/24V Static Color Female Power Connector

Quantity



TLCS3

Plug-and-Play 3-Way Splitter

Includes one (1) male and three (3) female connectors. Approximately 2 Ft long.

Use with 12V or 24V Performance LED Tapelight

Not compatible with 24V RGBW Performance LED Tapelight series

TLCS3 - 12V/24V Plug-and-Play 3-Way Splitter

Quantity

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | 12V & 24V Power Supply Accessories

Hardwire Power Connectors



TLC CF

Female Connector

6 Inch long connector includes a wire pigtail end and a female plug connector on the other end. Used to add plug and play female connector to hardwire power supplies.

Use with 12V or 24V Performance LED Tapelight

TLC CF - 12V/24V Hardwire Female Connector

Quantity



TLC CM

Male Connector

6 Inch long connector includes a wire pigtail end and a male plug connector on the other end. Used for easy plug in connection to plug and play power supply and wire end can be connected to RGB controller at the screw terminals.

Use with 12V or 24V Performance LED Tapelight

TLC CM - 12V/24V Hardwire Male Connector

Quantity



TLC IP * HW Series

Male Power Connector

Includes wire pigtail end and one (1) male flex tape connector.

Use with 12V or 24V Performance LED Tapelight

TLC IP12HW - 12 IN

TLC IP19HW - 19 IN

Quantity

TLC IP19HW-12AWG10FT

19 IN Connector with Additional 10 Ft 12AWG Red & Black Wires

TLC IP19HW-12AWG20FT

19 IN Connector with Additional 20 Ft 12AWG Red & Black Wires



TLC OP12HW

Female Power Connector

12 In. connector includes wire pigtail end and one (1) female flex tape connector.

Use with 12V or 24V Performance LED Tapelight

TLC OPHW - 12 IN 12V/24V Hardwire Female Power Connector

Quantity

Linear Connectors



TLC M Series

Bridge Connector

Blank section used to bridge gaps where LEDs are not necessary.

Use with 12V or 24V Performance LED Tapelight

TLC M2 - 2 IN

TLC M6 - 6 IN

Quantity

TLC M12 - 12 IN



TLC X

Cross Connector

Used to connect up to four (4) TLT segments. May be cut to create 2-way "L" connection or 3-way "T" connection.

Use with 12V or 24V Performance LED Tapelight

TLC X - 12V/24V Cross Connector

Quantity



TLC FF

Short Female-to-Female Connector

Used to connect male tapelight ends (when tapelight is cut two male ends remain)

Use with 12V or 24V Performance LED Tapelight

TLC FF - 12V/24V Short Female-to-Female Connector

Quantity

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | 12V & 24V TLT Series Static Color Controllers



TLPRTW
4-Channel Power Repeater
 Enables synchronized control of multiple runs from one controller.
 5-5/16" L x 1-3/4" W x 1-1/8" D
 Use with 12V or 24V Static Color, TW, RGB or RGBW Performance LED Tapelight

TLPRTW - 12V/24V LED 4-Channel Power Repeater Quantity



TLPGRBRF
Dimming Controller with RF Remote Control
 Pre-programmed functions include: color strobe, 3-channel color change and gradual brightness change. Includes two (2) programmable presets. Use with non-dimming tapelight power supplies. Not rated for outdoor use.
 8-3/8" L x 1-5/8" W x 1-3/16" D
 Use with 12V or 24V Performance LED Tapelight

TLPGRBRF - 12V/24V Dimming Controller with RF Remote Control Quantity



TLPINT
DMX 512 CV Decoder
 Designed to convert universal DMX 512 signal to PWM signal when used with a DMX 512 console (by others). Use with non-dimming tapelight power supplies. Not UL listed for outdoor use.
 6-3/16" L x 3-1/8" W x 1-5/8" D
 Use with 12V or 24V Static Color, TW, RGB or RGBW Performance LED Tapelight

TLPINT - 12V/24V DMX 512 CV Decoder Quantity

IR Controllers



TLPICB
IR Cabinet Switch
 Allows on/off switching functionality for use with cabinet doors. 36W Max.
 1-1/2" L x 1-3/16" W x 5/16" H
 Use with 12V or 24V Performance LED Tapelight

TLPICB - 12V/24V IR Cabinet Switch Quantity



TLPWV
IR Wireless Waving Switch
 Allows wireless on/off switching functionality by waving an object within the IR field. 36W Max.
 1-1/2" L x 1-3/16" W x 5/16" H
 Use with 12V or 24V Performance LED Tapelight

TLPWV - 12V/24V IR Wireless Waving Switch Quantity



TLPDIM10V
Static Color 0-10V Dimming Module
 For use with standard 0-10V dimmers. Dimming down to 15%. Not UL listed for outdoor use. Use with non-dimming tapelight power supplies.
 4-3/4" L x 1-1/2" W x 1-1/2" D
 For use with 12V or 24V Static Color Performance LED Tapelight
Not compatible with 12V or 24V TW, RGB or RGBW Performance LED Tapelight

TLPDIM10V - 12V/24V Static Color 0-10V Dimming Module Quantity



TLPIDM
Tapelight Touch Dimmer
 Allows adjustment of the brightness of the LEDs by touching the controller housing. 36W Max.
 1-1/2" L x 1-3/16" W x 5/16" H
 Use with 12V or 24V Performance LED Tapelight
Not compatible with TW, RGB or RGBW Performance LED Tapelight

TLPIDM - 12V/24V Tapelight Touch Dimmer Quantity

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

Product Details

Aluminum Mounting Channel

- Provides excellent heat sinking and protection to the LEDs while ensuring a clean, straight run
- 6 Ft long, Silver or Black Aluminum
- Outdoor/Wet listed Performance LED Tapelight is not compatible with channel end caps or diffusion lenses, except when using the Deep Standard Channel

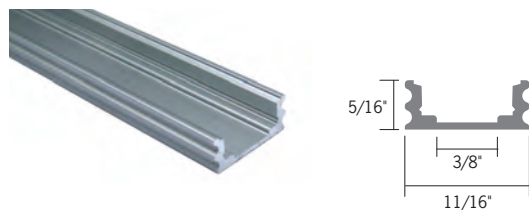
Channel Mounting Clips

- Four (4) Mounting clips and four (4) Philips head screws per package
- 24 Inches between clips recommended for most applications
- Stainless Steel

Channel End Caps

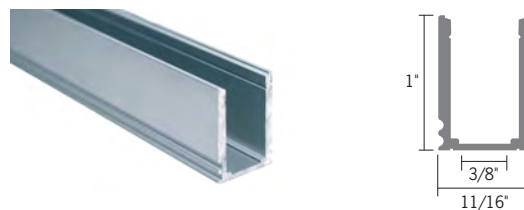
- Creates a clean finish to the mounting channel
- Two (2) end caps: one open, one closed
- ABS Plastic

Standard and Deep Mounting Channels



TLACS6 - 6 Ft Standard Channel, Aluminum
TLACS6-B - 6 Ft Standard Channel, Black

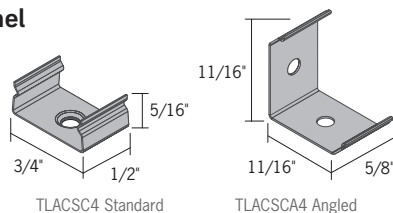
Quantity



TLAC8T6 - 6 Ft Deep Standard Channel, Aluminum
TLAC8T6-B - 6 Ft Deep Standard Channel, Black

Quantity

Standard and Deep Channel Mounting Clips



TLACSC4 - Four Standard Channel Mounting Clips
TLACSCA4 - Four Standard Channel Angled Mounting Clips

Quantity

Standard and Deep Channel End Caps



TLACSE2 - Two Standard Channel End Caps, Grey
TLACSE2-B - Two Standard Channel End Caps, Black
TLAC8TE2 - Two Deep Channel End Caps, Grey
TLAC8TE2-B - Two Deep Channel End Caps, Black

Quantity

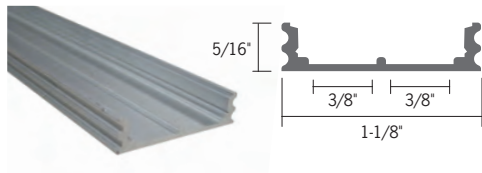
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PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

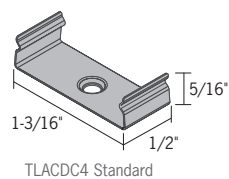
Double Wide Mounting Channel



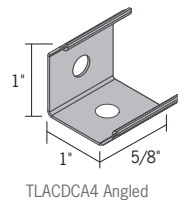
TLACD6 - 6 Ft Double Wide Channel, Aluminum
TLACD6-B - 6 Ft Double Wide Channel, Black

Quantity

Double Wide Channel Mounting Clips



TLACDC4 Standard



TLACDCA4 Angled

Double Wide Channel End Caps



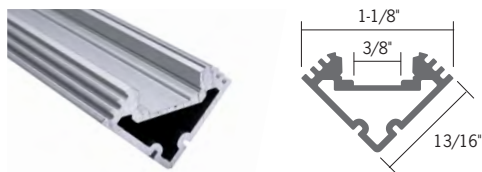
TLACDC4 - Four Double Wide Standard Mounting Clips
TLACDCA4 - Four Double Wide Angled Mounting Clips

Quantity

TLACDE2 - Two Double Wide End Caps, Grey
TLACDE2-B - Two Double Wide End Caps, Black

Quantity

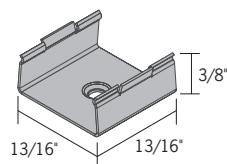
45° Angled Mounting Channel



TLACA6 - 6 Ft 45° Angled Channel, Aluminum
TLACA6-B - 6 Ft 45° Angled Channel, Black

Quantity

45° Angled Channel Mounting Clips



TLACAC4

45° Angled Channel End Caps



TLACAC4 - Four Angled Channel Mounting Clips

Quantity

TLACAE2 - Two Angled Channel End Caps, Grey
TLACAE2-B - Two Angled Channel End Caps, Black

Quantity

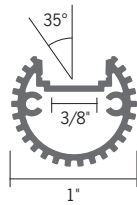
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PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

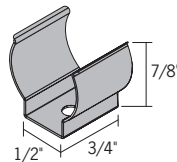
Round Mounting Channel



TLAC06 - 6 Ft Round Channel, Aluminum
TLAC06-B - 6 Ft Round Channel, Black

Quantity

Round Channel Mounting Clips



Round Channel End Caps



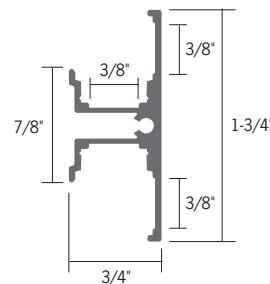
TLACOC4 - Four Round Mounting Clips

Quantity

TLACOE2 - Two Round End Caps, Grey
TLACOE2-B - Two Round End Caps, Black

Quantity

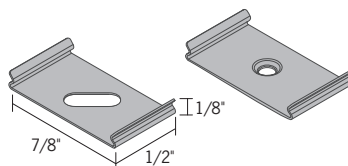
Wall Mount "T" Mounting Channel



TLACT6 - 6 Ft Wall Mount "T" Channel, Aluminum
TLACT6-B - 6 Ft Wall Mount "T" Channel, Black
TLACT6-P - 6 Ft Wall Mount "T" Channel, White

Quantity

Wall Mount "T" Channel Mounting Clips



Wall Mount "T" Channel End Caps



TLACTC4 - Four Wall Mount "T" Channel Mounting Clips

Quantity

TLACTE2 - Two Wall Mount "T" End Caps, Grey
TLACTE2-B - Two Wall Mount "T" End Caps, Black
TLACTE2-P - Two Wall Mount "T" End Caps, White

Quantity

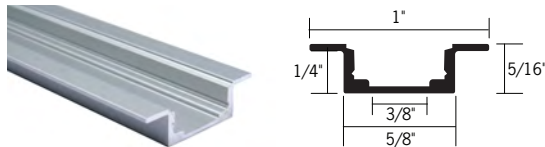
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TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

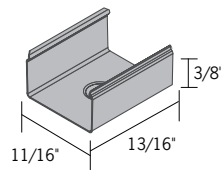
Recessed Mounting Channel



TLACR6 - 6 Ft Recessed Mounting Channel, Aluminum
TLACR6-B - 6 Ft Recessed Mounting Channel, Black

Quantity

Recessed Channel Mounting Clips



TLACRC4 - Four Recessed Mounting Clips

Quantity

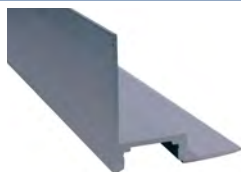
Recessed Channel End Caps



TLACRE2 - Two Recessed End Caps, Grey
TLACRE2-B - Two Recessed End Caps, Black

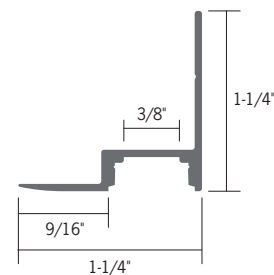
Quantity

Ceiling Edge Mounting Channel



TLACE6 - 6 Ft Ceiling Edge Channel, Aluminum
TLACE6-B - 6 Ft Ceiling Edge Channel, Black
TLACE6-P - 6 Ft Ceiling Edge Channel, White

Quantity



Ceiling Edge Channel Mounting Clips

Mounting clips are not available for the Ceiling Edge Mount Mounting Channel
 Mount the channel by drilling holes through channel and mounting surface and screwing into place

Ceiling Edge Channel End Caps

End caps are not available for the Ceiling Edge Mount Mounting Channel

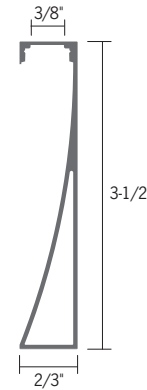
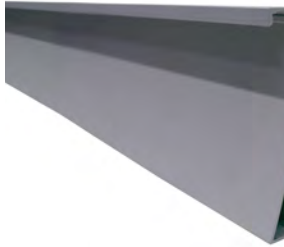
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TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

Toe Kick Mounting Channel



- TLACK6** - 6' Toe Kick Channel, Aluminum
- TLACK6-B** - 6' Toe Kick Channel, Black
- TLACK6-P** - 6' Toe Kick Channel, White

Quantity

Toe Kick Channel Mounting Clips

Mounting clips are not available for the Toe Kick Mounting Channel
Mount the channel by using construction adhesive or 3M™ VHB™ tape

Toe Kick Channel End Caps



- TLACKE2** - Toe Kick End Caps, Grey
- TLACKE2-B** - Toe Kick End Caps, Black
- TLACKE2-P** - Toe Kick End Caps, White

Quantity

Diffusion Lenses



- Use with mounting channels
- Provides extra protection for the LEDs as well as diffusion to reduce glare

- TLALC6** - 6 Ft Clear Lens
- TLALF6** - 6 Ft Frosted Lens
- TLALCD6** - 6 Ft Double Wide Clear Lens
- TLALFD6** - 6 Ft Double Wide Frosted Lens

Quantity

