

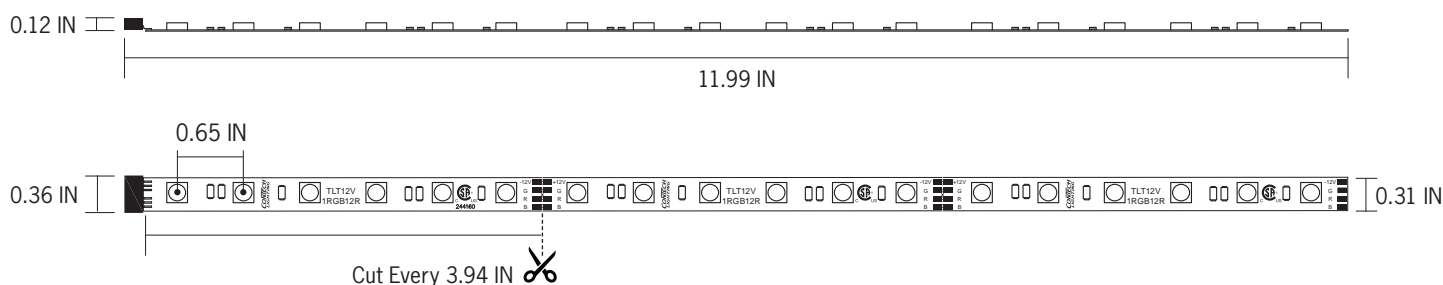
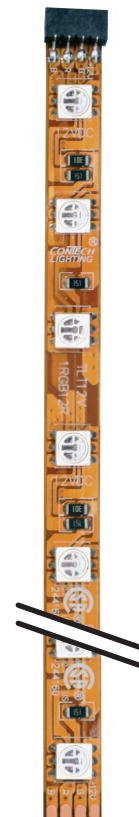
DATE

PROJECT

TYPE

TLT12V1RGB | 12V RGB Performance LED Tapelight

WATTAGE	3.9W/Ft
LUMEN OUTPUT	100lm/Ft (Based on 1ft. of tapelight, all colors at full power)
LED DENSITY	18 LEDs/Ft (0.65" Spacing)
COLOR TEMPERATURE	RGB: Individual Red, Green and Blue diodes in each LED, can be programmed to produce many colors of the visible spectrum
CRI	80+
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance
INPUT VOLTAGE	12V
DIMMING	Dimmable using TL series dimmers and RGB controls
RUN LENGTH	7 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	Full replacement guarantee after date of purchase: - Five years when installed with mounting channel - Three years when installed without mounting channel



Ordering Information

Example Order:

TLT12V1RGB12R

Tapelight Series
TLT12V - 12VDC
Performance
LED Tapelight

Output
1RGB - RGB: Individual Red, Green and Blue
Diodes in each LED

Length/Quantity

12 - 12 In Individual Segment
12R - 20 Ft Reel of 12 In Segments
(20 Pieces Total, Actual Length 19.75 Ft)
16CR - 16 Ft Continuous Reel
(Actual Length 15.76 Ft)

DATE

PROJECT

TYPE

TLT12V1RGB | 12V RGB Performance LED Tapelight

Product Details

Features

- Flexible, low voltage linear LED accent lighting system provides high quality illumination for many indoor applications
- Modular “plug and play” system, no need for field soldering
- Wide range of Power Supplies, Controllers, Connectors and Mounting Channels
- Available in:
 - Individual 12 inch Segments with male and female connector ends
 - 20 Foot Reels of connected, individual 12 inch segments
 - 16 Foot Continuous Reels (no mid-connectors) with one male and one female connector end
- TLT12V1RGB Series can be cut (on the cut lines) in 4 inch increments
- Easy to install using the 3M Double Sided Adhesive on each segment; tape can be directly mounted to most surfaces
- For additional thermal heatsinking, protection of the LEDs and an overall cleaner aesthetic, using the Aluminum Mounting Channel is recommended
- Aluminum Mounting Channel is easily installed utilizing the appropriate set of mounting clips
- For added protection of the LEDs and subtle diffusion and glare control, a clear or frosted lens may be used; lens must be used with the aluminum mounting channel and is easily installed

Performance Summary

- LEDs with individual Red, Green and Blue diodes in each, can be programmed to mix and produce many colors of the visible spectrum
- RGB LEDs provide excellent luminous intensities at low drive currents
- Low power consumption and consistent, stable performance
- Delivers up to 100 lumens at 3.9W per foot (delivered lumens based on 1 foot of tapelight and all colors at full power)
- Single run length up to 7 feet on one 60W power supply
- RGB Series tapelights can be programmed for various color changing effects as well as smooth dimming using any of the TL Series Dimming and RGB Controls
- System designed and rated for 50,000 hours at 70% lumen maintenance when mounted in ConTech Aluminum Mounting Channel
- cCSAus Certified to UL standards
- Suitable for dry or damp locations
- Not suitable for wet locations

Warranty

- Covered by ConTech's full replacement guarantee after date of purchase:
 - Five (5) year replacement guarantee when tape light is installed using the Aluminum Mounting Channel
 - Three (3) year replacement guarantee when installed without the Aluminum Mounting Channel

Run Lengths

TLT12V 12V POWER SUPPLY INPUT: 12V DC	TLT12V1RGB RGB ¹ OUTPUT 3.9W/FT	
WATTAGE	MAX RUN	MAX SPLIT
20W	5 FT	5 FT
24W	5.5 FT	5.5 FT
36W	7 FT	9 FT
50W	7 FT	10 FT
60W	7 FT	10 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.

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | 12V Power Supplies

12V Plug-In Power Supplies



TLP12VP24

12V/24W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output barrel plug for easy installation.
3-1/4" L x 1-3/4" W x 1-1/4" D
System length: 6'
Use with 12V Performance LED Tapelight



TLP12VP Series

12V Plug-and-Play Power Supplies
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation.
4" L x 2" W x 1-1/4" D
Use with 12V Performance LED Tapelight

TLP12VP24 - 12V/24W Plug-and-Play Power Supply

Quantity

Power Supply/Wattage

TLP12VP36 - 36W, System Length 10'

TLP12VP60 - 60W, System Length 12'

Quantity

12V Hardwire Power Supplies



TLP12VHW Series

Hardwire Power Supply
120VAC/12VDC. 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).** 2' Wire leads. Class 2 recognized.
Use with 12V Performance LED Tapelight



TLP12VHW * MV-ENC Series

Hardwire Class 2 Constant Voltage Driver
120 – 277VAC/12VDC 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. Suitable for both indoor and outdoor installations.
Use with 12V Performance LED Tapelight

TLP12VHW20

20W 12V 120VAC: 4-3/4" L x 1-3/16" W x 1" D

TLP12VHW60

60W 12V 120VAC: 6-1/2" L x 1-3/4" W x 1-1/4" D

Quantity

TLP12VHW50MV-ENC

50W 12V 120-277VAC, Non-Dimming Driver

TLP12VHW50MVD2-ENC

50W 12V 120-277VAC, 0-10V Dimming Driver

Quantity



TLP12VHW * -ENC Series

Hardwire Class 2 Enclosed Driver
120VAC/12VDC. 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.
6-3/4" L x 2-5/8" W x 1-1/4" D
Use with 12V Performance LED Tapelight, not to be used with RGB tapelight series.

TLP12VHW20-ENC - 20W 12V 120VAC

TLP12VHW60-ENC - 60W 12V 120VAC

Quantity

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | 12V RGB Connectors

Hardwire Power Connectors



TLCIP12HWRGB

RGB Male Power Connector

Includes wire pigtail end and one (1) male flex tape connector. Use with RGB Controller, LED Power Repeater and 0-10V Dimming Module.

Use with 12V RGB Performance LED Tapelight only



TLCOP12HWRGB

RGB Female Power Connector

Includes wire pigtail end and one (1) female flex tape connector. Use with RGB Controller, LED Power Repeater and 0-10V Dimming Module.

Use with 12V RGB Performance LED Tapelight only

TLCIP12HWRGB - 12 IN RGB
Hardwire Male Power Connector

Quantity

TLCOP12HWRGB - 12 IN RGB
Hardwire Female Power Connector

Quantity

Linear Connectors

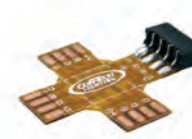


TLCM * RGB Series

Bridge Connector

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

Use with RGB and Tunable White (TW) Performance LED Tapelight only



TLCXRGB

Cross Connector

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

Use with RGB and Tunable White (TW) Performance LED Tapelight only

TLCM2RGB - 2 IN
TLCM12RG - 12 IN

TLCM6BRGB - 6 IN

Quantity

TLCXRGB - RGB and Tunable White Cross Connector

Quantity



TLCFFRGB

Short Female-to-Female Connector

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

Use with RGB and Tunable White (TW) Performance LED Tapelight only

TLCFFRGB - RGB and Tunable White
Short Female-to-Female Connector

Quantity

DATE

PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | RGB & RGBW TLT Series Controllers



TLPRGBWTC

RGB/RGBW Touch Controller

Dial Touch Controller, select color by using color wheel. Speed and brightness control. Pre-selected modes. 20AMP Max.

6-7/8" L x 1-3/4" W x 1-3/16" D

Use with 12V or 24V RGB/RGBW Performance LED Tapelight



TLPRGBWRF

RGB/RGBW 28-Key Remote Controller

8-Key RF Remote for color, speed, and brightness control. Seven (7) programmable scenes. 20AMP Max.

6-7/8" L x 1-3/4" W x 1-3/16" D

Use with 12V or 24V RGB/RGBW Performance LED Tapelight

TLPRGBWTC - RGB/RGBW Touch Controller

Quantity

TLPRGBRF - 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 Performance LED Tapelight; can control white, single color or RGB LEDs



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

TLPINT - 12V/24V DMX 512 CV Decoder

Quantity

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

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

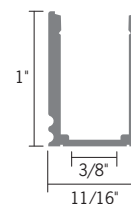
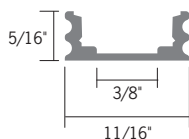
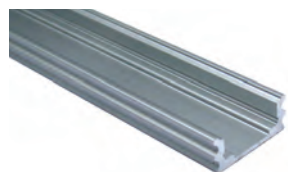
Channel Mounting Clips

- 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



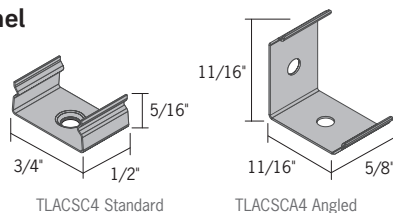
TLACS6 - 6 Ft Standard Channel, Aluminum
TLACS6-B - 6 Ft Standard Channel, Black

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

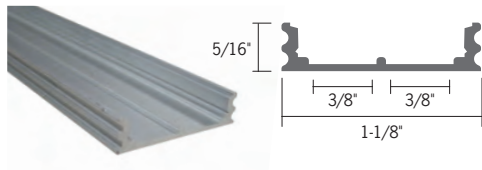
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PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

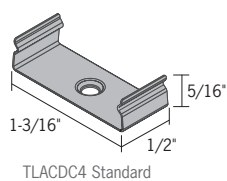
Double Wide Mounting Channel



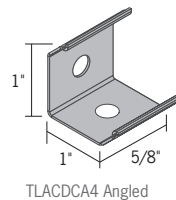
TLACD6 - 6 Ft Double Wide Channel, Aluminum
TLACD6-B - 6 Ft Double Wide Channel, Black

Quantity

Double Wide Channel Mounting Clips



TLACDC4 Standard



TLACDCA4 Angled

Double Wide Channel End Caps



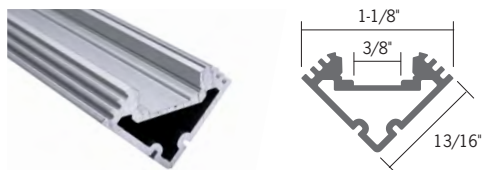
TLACDC4 - Four Double Wide Standard Mounting Clips
TLACDCA4 - Four Double Wide Angled Mounting Clips

Quantity

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

Quantity

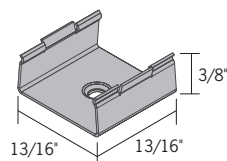
45° Angled Mounting Channel



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

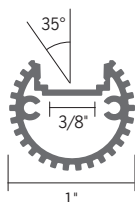
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PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

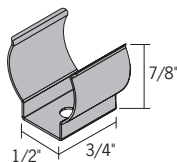
Round Mounting Channel



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

Quantity

Round Channel Mounting Clips



Round Channel End Caps



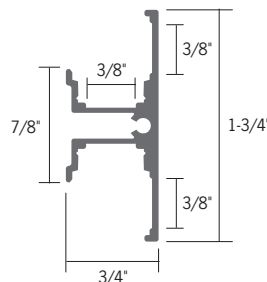
TLAC0C4 - Four Round Mounting Clips

Quantity

TLAC0E2 - Two Round End Caps, Grey
TLAC0E2-B - Two Round End Caps, Black

Quantity

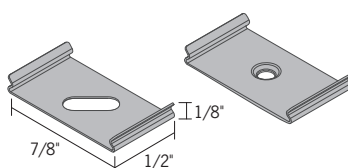
Wall Mount "T" Mounting Channel



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

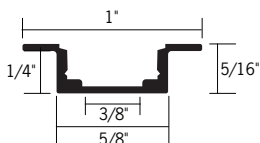
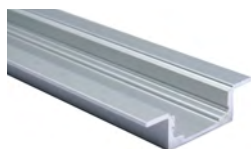
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PROJECT

TYPE

PERFORMANCE LED TAPELIGHT | Mounting Channels and Accessories

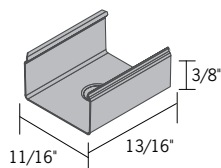
Recessed Mounting Channel



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

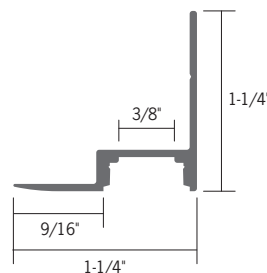
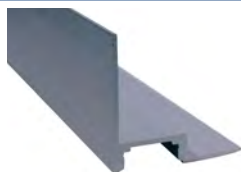
Recessed Channel End Caps



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

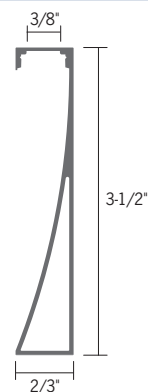
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PROJECT

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

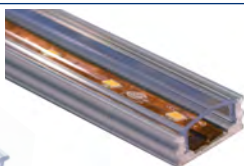
Toe Kick Channel End Caps



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

