

TLTO Tapelight Series

12VDC Wet Location High Output Outdoor Tapelight Kit

Specifications/Features

Tape Light Kit

Flexible, low voltage, wet location, linear LED accent lighting system provides energy-efficient illumination for outdoor applications including coves, architectural enhancements, outdoor steps or changes in elevation, etc.

Kits consist of (1) 3.3' or 16.4' reel, (1) tube silicone sealant, (2) endcaps, (10) clear acrylic mounting clips with (20) screws.

1.8W/9 LEDs/109 lumens per foot of tapelight (delivered lumens based on 1ft. of warm white tapelight).

Available in three color temperatures: Warm White (2700K), Neutral White (4000K), Cool White (5000K), as well as single colors: blue, green, red, and amber.

Cuttable every 4" or (3) LEDs, at cut lines only. **One cut per reel only.** Once cut, use enclosed silicone sealant and end cap to create a water-tight seal.

Cutting the tape terminates conductivity of the tape on the non-power-feed end.

5' input power connector with water tight plug is attached to the tape and connects into the wet rated, plug-and-play power supply or 2-way splitter. For applications requiring lengths longer than 5', the connector can be field modified. Must use appropriate components that comply with local codes (weather-proof connectors, cord covers, enclosures, etc. if outdoors).

36W and 60W plug-and-play power supplies are available, as well as a 2-way power feed splitter. Power supply and splitter sold separately.

14° - 140°F Operating temperature.

Dimming

TLTO Series tapelight is dimmable utilizing our 0-10V or wall plate TL dimming modules. To hardwire tapelight, the input power connector and wires will need to be cut/stripped and connected to a hardwire power supply and should be placed in a weather-proof, code approved enclosure supplied by others.

Mounting

The TLTO tapelight can be mounted using the self-stick adhesive backing, the enclosed acrylic mounting clips with screws, or the tape can be adhered to the aluminum mounting channels and installed with the appropriate mounting clips. Channels and channel mounting clips sold separately.

Warranty

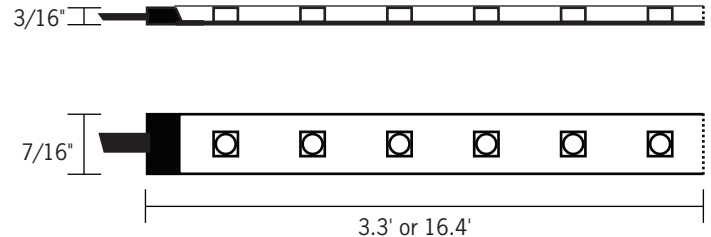
This product is covered by ConTech's full three (3) year replacement guarantee after date of purchase.

Listing

ETL listed

IP65

Suitable for wet locations. Not submersible.



TLTO12V2 Series High Output Outdoor Tapelight Driver Sizing

Watts per foot: 1.8W/ft.; Max Run: 16.4 ft.

Model No.	Type	Input Voltage	Wattage	Max Load
TLPO12VP36	Plug-In	12V DC	36W	20 ft.*
TLPO12VP60	Plug-In	12V DC	60W	32.8 ft.*

*If the max load exceeds the max run length, multiple runs from power supply may be employed as long as maximum load run is not exceeded.

Ordering Information

Example Order:

Tapelight Series	Input Voltage	Output	Color Temperature	Length / Quantity
TLTO - Kits consist of (1) 3.3' or 16.4' reel, (1) tube silicone sealant, (2) endcaps, (10) clear acrylic mounting clips with (20) screws.	12V - 12V DC	2 - High Output	WW - Warm White 2700K NW - Neutral White 4000K CW - Cool White 5000K A - Amber B - Blue G - Green R - Red	3CR - 3.3' Continuous Reel 16CR - 16.4' Continuous Reel

TLTO Tapelight Series

12VDC Wet Location High Output Accessories

Power Supplies and Accessories



Wet Rated 36W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 7-1/8" L x 2" W x 1-5/8" D; cord length: 6.5'.
TLPO12VP36



Wet Rated 60W Plug-and-Play Power Supply
120VAC/12VDC. Includes AC wall plug and female power output plug for easy installation. Desktop unit: 7-1/8" L x 2" W x 1-5/8" D; cord length: 6.5'.
TLPO12VP60



Wet Rated Plug-and-Play 2-Way Splitter
Includes (1) male and (2) female connectors. Approximately 22" long.
TLCOS2



Hardwire Power Supply
120VAC/12VDC. Includes stripped and tinned wire pig-tails on the input and outputsides. Must be maintained within an enclosure that meets local building codes and NEC (supplied by others). 2' Wire leads. **NOT UL LISTED FOR OUTDOOR USE.**

TLP12VHW20 - 120V/20W;
4-3/4" L x 1-3/16" W x 1" D

TLP12VHW60 - 120V/60W;
6-1/2" L x 1-3/4" W x 1-1/4" D

TLP12VHW60277 - 277V/60W;
6-1/2" L x 1-3/4" W x 1-1/4" D

Controllers - Not UL Listed for Outdoor Use



LED Power Repeater
Enables synchronized control of multiple runs from one controller. 4-3/4" L x 1-1/2" W x 1-1/2" D.
TLPRPT



0-10V Dimming Module
For use with standard 0-10V dimmers. Dimming down to 15%. 4-3/4" L x 1-1/2" W x 1-1/2" D.
TLPDIM10V



DMX 512 CV Decoder
Designed to convert universal DMX 512 signal to PWM signal when used with a DMX 512 console (by others). Can control white, single color or RGB LEDs. 6-3/16" L x 3-1/8" W x 1-5/8" D.
TLPINT



Wall Plate Dimmer
Allows adjustment of the brightness of the LEDs using the knob adjustment or the IR remote control. Dimming down to 1%. 3-7/16" square x 2-1/4" deep.
TLPDIMWP



Replacement RGB Remote Control
Included with RGB Tapelight Kit; control for RGB tapelight. 3-1/4" L x 2" W x 1/4" D
TLPORGBRMT

TL Tapelight Series

Mounting Accessories



Aluminum Mounting Channel

Provides excellent heat sinking and protection to the LEDs while ensuring a clean, straight run. *Outdoor/wet listed Tapelight is not compatible with channel end caps or diffusion lenses, except when using the Deep Standard Channel.*

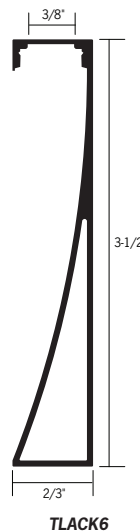
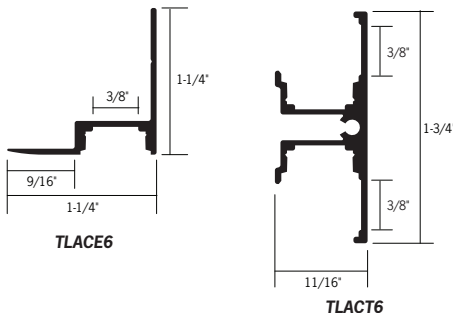
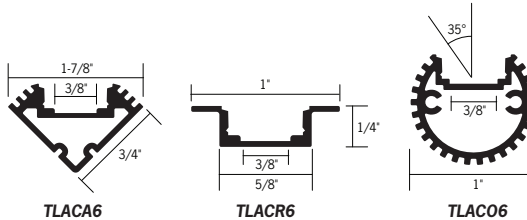
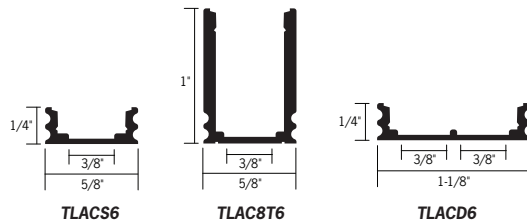
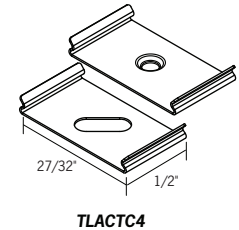
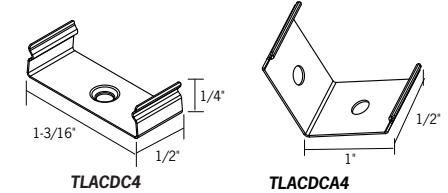
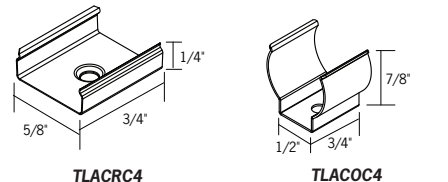
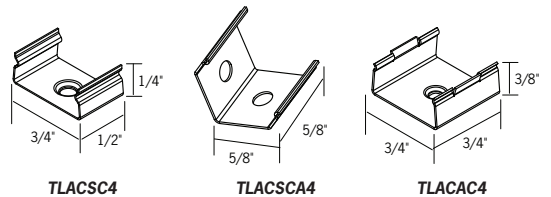
- TLACS6** - 6' Standard Channel, Aluminum
- TLACS6-B** - 6' Standard Channel, Black
- TLAC8T6** - 6' Deep Standard Channel, Aluminum
- TLAC8T6-B** - 6' Deep Standard Channel, Black
- TLACD6** - 6' Double Wide Channel, Aluminum
- TLACD6-B** - 6' Double Wide Channel, Black
- TLACA6** - 6' 45° Angled Channel, Aluminum
- TLACA6-B** - 6' 45° Angled Channel, Black
- TLACR6** - 6' Recessed Channel, Aluminum
- TLACR6-B** - 6' Recessed Channel, Black
- TLACO6** - 6' Round Channel, Aluminum
- TLACO6-B** - 6' Round Channel, Black
- TLACE6** - 6' Ceiling Edge Mount Channel, Aluminum
- TLACE6-B** - 6' Ceiling Edge Mount Channel, Black
- TLACE6-P** - 6' Ceiling Edge Mount Channel, White
- TLACK6** - 6' Toe Kick Channel, Aluminum
- TLACK6-B** - 6' Toe Kick Channel, Black
- TLACK6-P** - 6' Toe Kick Channel, White
- TLACT6** - 6' Wall Mount "T" Channel, Aluminum
- TLACT6-B** - 6' Wall Mount "T" Channel, Black
- TLACT6-P** - 6' Wall Mount "T" Channel, White



Aluminum Channel Mounting Clips

(4) Mounting clips and (4) Philips head screws per package. 24" Between clips recommended for most applications.

- TLACSC4** - Standard Channel Mounting
- TLACSCA4** - Standard Channel, Angled Mounting
- TLACAC4** - Angled Channel Mounting
- TLACRC4** - Recessed Channel Mounting
- TLACOC4** - Round Channel Mounting
- TLACDC4** - Double Wide Channel Mounting
- TLACDCA4** - Double Wide Channel, Angled Mounting
- TLACTC4** - Wall Mount "T" Channel Mounting Clip Set



TL Tapelight Series

Mounting Accessories



Acrylic Diffusion Lens

For use with mounting channel. Provides extra protection for the LEDs as well as diffusion to reduce glare. 6' L x 1/2" W. *Wet listed Tapelight is not compatible with channel end caps or diffusion lenses.*

TLALC6 - Clear Lens

TLALF6 - Frosted Lens

TLALCD6 - Double Wide Clear Lens

TLALFD6 - Double Wide Frosted Lens



Aluminum Channel End Caps

Creates a clean finish to the mounting channel. Set of two (2) end caps; one open, one closed. *Wet listed Tapelight is not compatible with channel end caps or diffusion lenses.*

TLACSE2 - Standard Channel End Caps, Grey

TLACSE2-B - Standard Channel End Caps, Black

TLAC8TE2 - Deep Channel End Caps, Grey

TLAC8TE2-B - Deep Channel End Caps, Black

TLACAE2 - Angled Channel End Caps, Grey

TLACAE2-B - Angled Channel End Caps, Black

TLACRE2 - Recessed Channel End Caps, Grey

TLACRE2-B - Recessed Channel End Caps, Black

TLACOE2 - Round Channel End Caps, Grey

TLACOE2-B - Round Channel End Caps, Black

TLACDE2 - Double Wide Channel End Caps, Grey

TLACDE2-B - Double Wide Channel End Caps, Black

TLACKE2 - Toe Kick End Caps, Grey

TLACKE2-B - Toe Kick End Caps, Black

TLACKE2-P - Toe Kick End Caps, White

TLACTE2 - Wall Mount "T" End Caps, Grey

TLACTE2-B - Wall Mount "T" End Caps, Black

TLACTE2-P - Wall Mount "T" End Caps, White



Wet Listed Tapelight End Caps

Included with wet listed Tapelight kit. Use with silicone sealant to create a water tight seal after tape is cut. Set of two (2) end caps.

TLAOEC2



Wet Listed Tapelight Mounting Clips

Included with wet listed Tapelight kit. Four (4) mounting clips and eight (8) Philips head screws per package. 24" Between clips is recommended for most applications.

TLAOMC4



Wet Listed Tapelight Silicone Sealant

Included with wet listed Tapelight kit. For securing end caps to end of tapelight to create a water-tight seal.

TLAOSG

TLTO Tapelight Series

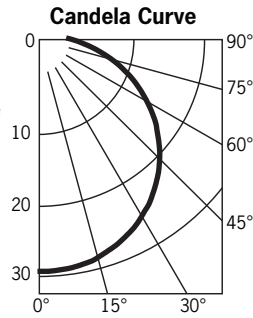
12VDC Wet Location High Output Outdoor Tapelight Kit

Photometrics

TLTO12V2WW16CR

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 82632

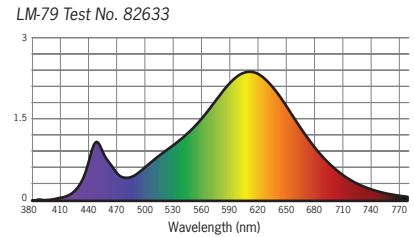
Light Output (Fixture Lumens): 109
 Total Watts@12V: 2.05
 Lumens Per Watt: 53
 Color Rendering Index (CRI)¹: 85
 Color Temperature (CCT)²: 2689K Warm White
 Beam Distribution: 118°
 Spacing Criteria: 1.3



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	30	
5	30	3
15	29	8
25	27	12
35	24	15
45	20	16
55	16	15
65	11	12
75	6	8
85	2	4
95	0	

Spectral Power Distribution Chart³



TLTO Tapelight Series

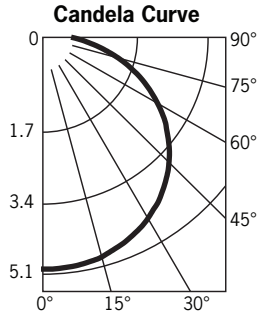
12VDC Wet Location High Output Outdoor Tapelight Kit

Photometrics

TLTO12V2A16CR

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 84056

Light Output (Fixture Lumens): 19.7
 Total Watts@12V: 2.1
 Lumens Per Watt: 9.2
 Beam Distribution: 118°
 Spacing Criteria: 1.3



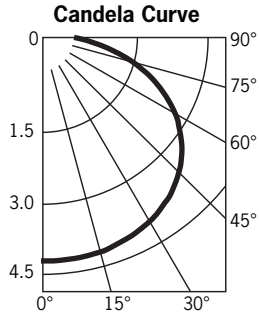
Candlepower Summary

FROM 0	CANDELA	LUMENS
0	5.0	
5	5.0	.5
15	4.9	1.4
25	4.6	2.1
35	4.1	2.6
45	3.6	2.8
55	2.8	2.7
65	2.1	2.2
75	1.2	1.6
85	0.3	0.9
95	0.0	0.5

TLTO12V2B16CR

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 84057

Light Output (Fixture Lumens): 19.2
 Total Watts@12V: 1.92
 Lumens Per Watt: 10
 Beam Distribution: 126°
 Spacing Criteria: 1.35



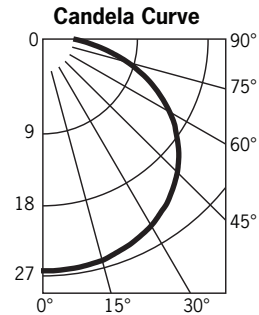
Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4.3	
5	4.3	0.4
15	4.2	1.2
25	4.0	1.9
35	3.7	2.4
45	3.3	2.7
55	2.8	2.7
65	2.0	2.3
75	1.1	1.7
85	0.3	1.0
95	0.0	0.6

TLTO12V2G16CR

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 84055

Light Output (Fixture Lumens): 113
 Total Watts@12V: 2.19
 Lumens Per Watt: 51.6
 Beam Distribution: 128°
 Spacing Criteria: 1.36



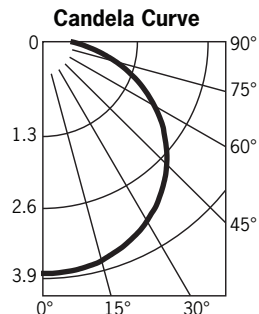
Candlepower Summary

FROM 0	CANDELA	LUMENS
0	26	
5	26	2
15	26	7
25	25	12
35	23	15
45	20	16
55	17	16
65	12	13
75	7	9
85	2	5
95	0	3

TLTO12V2R16CR

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 84058

Light Output (Fixture Lumens): 14.9
 Total Watts@12V: 2.09
 Lumens Per Watt: 7.1
 Beam Distribution: 124°
 Spacing Criteria: 1.30



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3.7	
5	3.7	0.3
15	3.6	1.0
25	3.3	1.6
35	3.0	1.9
45	2.6	2.1
55	2.2	2.0
65	1.6	1.8
75	0.9	1.3
85	0.2	0.7
95	0.0	0.4