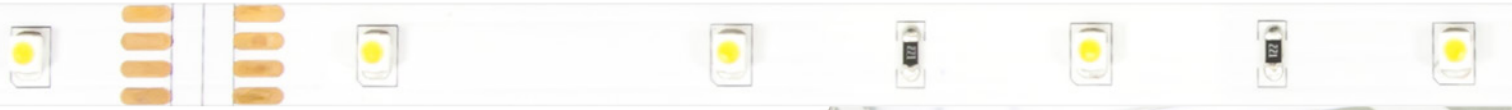


FREEFORM 3528 24V



Flexible, unjacketed FreeForm Tape Light with 3528 LEDs, two color temperatures and two LED spacings combines economy with versatility.

Performance

- 3528 SMD LEDs are spaced every 1.3" for -30U and 0.66" for -60U
- Available in 32.8ft reels and 98.4ft reels, in 2700K (Ultra Warm White) and 5000K (Bright White) with 83+ CRI
- Single chip 3528 SMDs are an economical, standard grade LED with 40 - 90 lumens of light per foot of tape
- Compatible with dimming and non-dimming drivers depending upon the application (see Installation and Building a System below)

Construction

- Flexible copper with 3M[®] adhesive strip for secure hold
- Cut marks at each 6.56" (30U) or 3.94" (60U) indicate series parallel intervals
- Plastic reels provide convenient storage (keep reel in anti-static sleeve for LED longevity)

Installation

- For task lighting, locate FreeForm so that light rail or cabinet frame allows light to reach to edge of counter
- PWM dimmer must have 24V DC input (not line voltage)
- ELV dimming drivers are compatible with most triac, ELV and ELM dimmers with 10-100% light control
- Select dimming driver based on total load:
 - ELV-30-24 for 18-27W connected load
 - ELV-45-24 for 27-42W connected load
 - ELV-60J-24 for 36-57W connected load
 - ELV-80J-24 for 48-72W connected load
- Multiple extrusions are available for use in surface mount and recessed applications



Specifications

Series	TL-24V-30U / TL-24V-60U
Input voltage	24V DC
Color temperature	2700K* and 5000K*
CRI	83+
Wattage	1.2W per ft / 2.4W per ft
Lumens	See individual product
Maximum run	32.8ft (30U) / 16.4ft (60U)
Beam angle	120°
Dimming	AL-PWM-6A, ELV drivers
Material	Copper strip, 3M [®] adhesive tape
Cuttability	30U=6.56"; 60U=3.94"
Rating	c/UL/us (32.8ft reels only)
Dimensions	3/8"W x 3/32"H x reel length
Switching	Hardwire or plug-in
Mounting	Attached 3M [®] tape
LED type	3528 SMD LEDs
Rated life	50,000 hrs

Building a System

Determine Length/Type:

Based on length/type, determine total wattage and type of driver:

1. Hardwire
2. Plug-in

Select Power Input Accessories:

- 1a. Dimming hardwire: Use LED-DR series with AL-PWM-6A; or ELV dimming driver within connected load range above
- 1b. Non-dimming hardwire: Use LED-DR series
2. Plug-in: Use PS series power supply (no dimming option available)

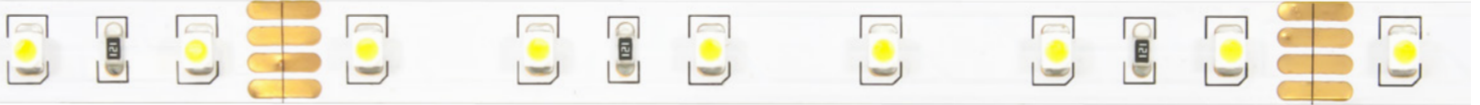
Select Linking Accessories:

Use 6", 12" or 24" jumpers or TL-SPL for connecting two sections together; start layout at intersections when using 'L' and/or 'T' connectors



TL-24V-30U-WH-33
24V FreeForm - 5000K
1.2W per ft / 45Lm per ft
30 LEDs per 3.28ft

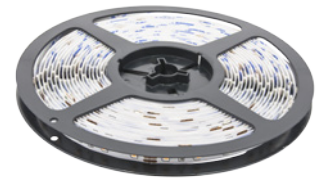
TL-24V-30U-UWW-33
24V FreeForm - 24ww00K
1.2W per ft / 40Lm per ft
30 LEDs per 3.28ft



TL-24V-60U-WH-33
24V FreeForm - 5000K
2.4W per ft / 90Lm per ft
60 LEDs per 3.28ft

TL-24V-60U-UWW-33
24V FreeForm - 2400K
2.4W per ft / 75Lm per ft
60 LEDs per 3.28ft

FreeForm 3528 24V 98.4ft Bulk Reels (Non-UL)



TL-24V-30U-WH-100
24V FreeForm - 5000K
1.2W per ft / 45Lm per ft
30 LEDs per 3.28ft

TL-24V-30U-UWW-100
24V FreeForm - 2400K
1.2W per ft / 40Lm per ft
30 LEDs per 3.28ft

TL-24V-60U-WH-100
24V FreeForm - 5000K
2.4W per ft / 90Lm per ft
60 LEDs per 3.28ft

TL-24V-60U-UWW-100
24V FreeForm - 2400K
2.4W per ft / 75Lm per ft
60 LEDs per 3.28ft

*NOTE: LED FreeForm is c/UL/us Listed in 32.8ft reels only - 100ft bulk reels are NOT UL Listed

FreeForm 24V Accessories



PS-40-24VPI 1-40W
PS-60-24VPI 1-60W
PS-90-24VPI 1-90W
Plug-in power supply



LED-DR30-24 1-30W
LED-DR60-24 1-60W
LED-DR100-24 1-100W
LED-DR150-24 1-150W
Hardwire power supply



AL-PWM-6A
PWM dimmer, 6A
capacity for use with
LED-DR drivers



TL-CONKIT-NP
Power connector kit
36" DC lead wire with
DC jack adaptor and 36"
hardwire lead



RCA-Y
12" 'Y' extension
RCA-EX24
24" power extension



ELV-30-24 1-30W driver
ELV-45-24 1-45W driver
Class 2 dimming hardwire
driver, 60% minimum load
Dimming consumes
±3W internally



ELV-60J-24 1-60W driver
ELV-80J-24 1-80W driver
Class 2 dimming hardwire
driver w/junction box, 60%
minimum load; Dimming
consumes ±3W internally



TL-JUMP.5 6"
TL-JUMP1 12"
TL-JUMP2 24"
Jumper cables



TL-SPL
Inline splice
connectors
(bag of 5)



TL-L
"L" connectors
(bag of 3)
TL-T
"T" connectors
(bag of 2)



TL-CLIPS
Mounting clips
with screws
(bag of 16)