FlowLite

Specification Sheet

FlowTone Tunable 6.0 HC LED Tape Light



FlowTone Tunable 6.0 HC is a high color-fidelity tunable-white LED tape light that shifts smoothly from warm 2700K to crisp 5000K on a single run. Alternating warm and cool 2835 SMD diodes at 54 per foot and a 97 CRI deliver a smooth, even line at any color temperature. Field cuttable every 1.79" for precise run lengths.

FEATURES & APPLICATIONS

- Tunable white, 2700K to 5000K
- Industry-leading 97 CRI (Color Rendering Index)
- 3-wire: V+, Cool White, Warm White
- Field cuttable at every 1.79 inch
- Healthcare, hospitality and office lighting
- Circadian and human-centric lighting
- Cove, accent and display lighting
- 3-year warranty

Performance	
Color Temp	2700K–5000K
Watts/FT	6.0
Lumens/FT	615
Efficacy (Lm/W)	102
CRI	97

TECHNICAL INFORMATION

- **Power Consumption Per Foot:** 6 Watts
- **Input Voltage:** 24V DC
- **Diodes per foot:** 54
- **CRI (Color Rendering Index):** 97
- **Diode Spacing:** 0.22 inches
- **Wiring:** 3 wires (V+, CW, WW)
- **PCB Width:** 0.39 inches
- **Beam Angle:** 120°
- **Field Cuttable:** Every 1.79 inch
- **Max Run Length:** 16.4 ft.
- **Dimmable:** Yes, 2-channel CCT
- **Diode Type:** 2835 SMD, dual-white
- **Mounting:** 3M™ Self-Adhesive Tape
- **Operating Temperature:** -13° F to 110° F
- **Spool Lengths:** 16.4 ft.
- **Environment:** Indoor, Dry (IP20)
- **Lead Wire:** 6 in. pre-wired
- **Life:** 50,000 hours
- **Warranty:** 3 Year

ORDERING GUIDE

MODEL	CCT	ENVIRONMENT
FL-T60-24-		
	TW 2700K–5000K	**DRY** (BLANK)

REQUIRED ACCESSORIES

Requires a controller and an RF remote to operate:



FL-CTL-TW
Tunable White Controller

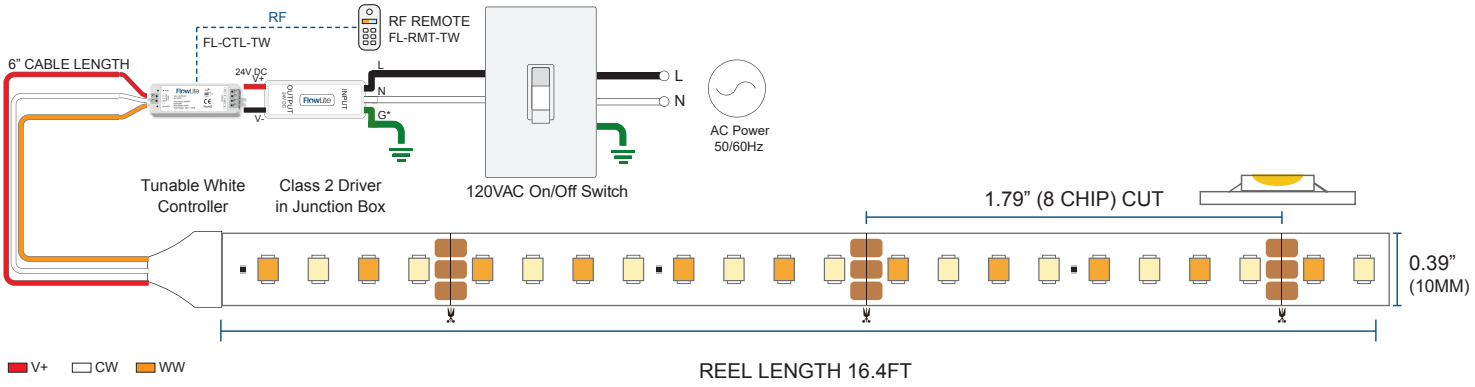


FL-RMT-TW
Tunable White RF Remote

Pictures and specifications: see page 3.

DIMMABLE · IP20 · 24V · 97 CRI · 120° · 3 Yrs Warranty

DIAGRAM & DIMENSIONS



VOLTAGE DROP GUIDANCE CHART

24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)

WIRE GAUGE	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A	70 W 2.9 A	80 W 3.3 A	90 W 3.75 A	100 W 4.2 A
20 AWG	85 ft.	43 ft.	27 ft.	21 ft.	17 ft.	14 ft.	12 ft.	11 ft.	9 ft.	8 ft.
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	15 ft.	14 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	24 ft.	22 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	39 ft.	36 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	61 ft.	56 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	97 ft.	82 ft.

Note: These tables provide general guidelines for determining Wire Gauge based on total load and distance from LED driver to beginning of luminaire.

SAFETY, WARNINGS, AND DISCLOSURES

Install in accordance with national and local electrical code regulations.

This product to be powered with ELECTRONIC DRIVER ONLY

This product is intended to be installed and serviced by a qualified, licensed electrician.

Only use copper wiring. Use wires rated for at least 176°F 80°C and certified for use with external connection of electrical equipment.

Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

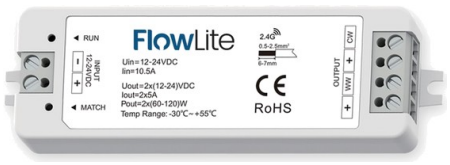
Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.

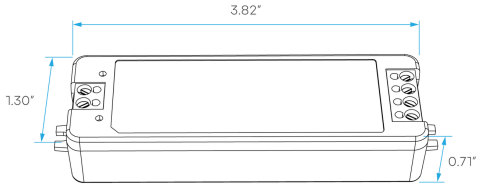
Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

REQUIRED ACCESSORIES

This Tunable White tape needs both items below to operate. The controller drives its warm and cool white channels; the RF remote pairs with the controller. See the wiring diagram on page 2.





Product photo and dimensions

FL-CTL-TW

Tunable White Controller

Inline RF controller. Tunes between warm and cool white and dims 0–100%; installs between the 24V DC driver and the tape.

Input	12–24V DC
Control	RF wireless remote
Function	CCT tuning, 0–100% dimming
Finish	White
Dimensions	3.82” × 1.30” × 0.71”
Operating temperature	-22°F to 131°F
Warranty	5 year

FL-RMT-TW

Tunable White RF Remote

Handheld RF remote for the FL-CTL-TW controller: white tuning and dimming.

Control	RF wireless
Pairs with	FL-CTL-TW controller
Dimensions	4.21” × 2.30” × 0.35”