FlowLite

Specification Sheet

FlowTone Dim-to-Warm LED Tape Light



FlowTone Dim-to-Warm is a dim-to-warm LED tape light that glows warmer as it dims, from 3000K at full output down to a candle-like 1800K, just like incandescent. 48 2835 SMD diodes per foot at 4.0 W/ft on simple 2-wire wiring with any compatible dimmable driver. 90 CRI.

FEATURES & APPLICATIONS

- Dim-to-warm, 3000K to 1800K
- Warms as it dims, like incandescent
- Simple 2-wire wiring, no extra controller
- Up to 500 lumens per foot at full output
- Industry-leading 90 CRI (Color Rendering Index)
- Field cuttable at every 3.94 inch
- Restaurants, hospitality and residential
- 3-year warranty

Performance	
Color Temp	3000K→1800K
Watts/FT	4.0
Lumens/FT	500
Efficacy (Lm/W)	125
CRI	90

TECHNICAL INFORMATION

- **Power Consumption Per Foot:** 4 Watts
- **Input Voltage:** 24V DC
- **Diodes per foot:** 48
- **CRI (Color Rendering Index):** 90
- **Diode Spacing:** 0.25 inches
- **Wiring:** 2 wires (V+, V-)
- **PCB Width:** 0.39 inches (10mm)
- **Beam Angle:** 120°
- **Field Cuttable:** Every 3.94 inch (16 chips)
- **Max Run Length:** 16.4 ft.
- **Dimmable:** Yes, dims warmer
- **Diode Type:** 2835 SMD, dim-to-warm
- **Mounting:** 3M™ Self-Adhesive Tape
- **Operating Temperature:** -13° F to 110° F
- **Spool Lengths:** 16.4 ft.
- **Environment:** Indoor, Dry (IP20)
- **Heat Sink:** Aluminum channel required
- **Lead Wire:** 6 in. pre-wired
- **Life:** 50,000 hours
- **Warranty:** 3 Year

ORDERING GUIDE

MODEL	CCT	ENVIRONMENT
FL-T40-24-	☐	☐
	DTW 3000K–1800K	**DRY** (BLANK)

COMPATIBLE DRIVERS



FL-DU5
UNIVERSAL 5-IN-1 DIMMABLE DRIVER



FL-DPJ
PHASE-DIMMABLE J-BOX DRIVER



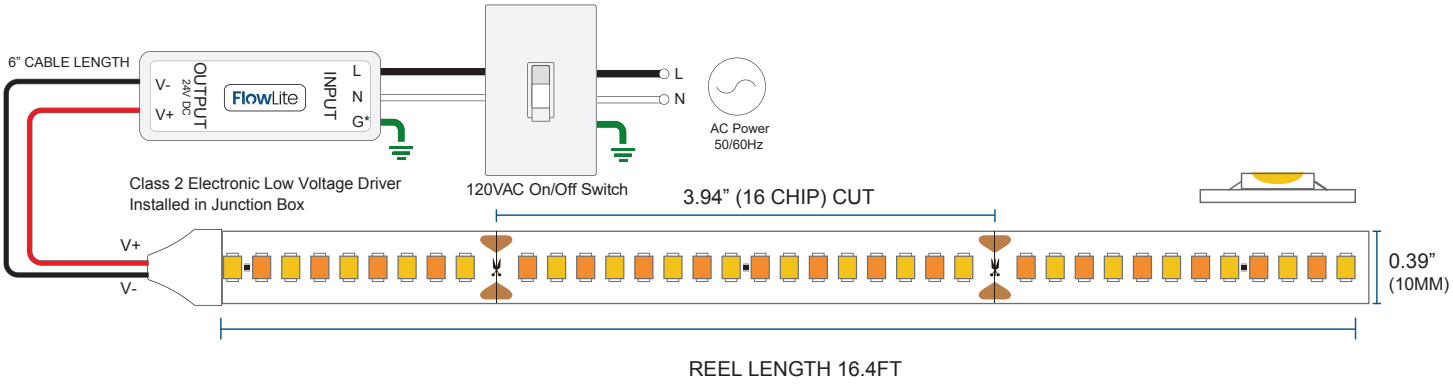
FL-DMC
MICRO DRIVER + DIMMER



FL-DSM
SMART WI-FI/BT MICRO DRIVER



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.