FlowLite

Specification Sheet

FlowReach Long Run 4.5 LED Tape Light



FlowReach Long Run 4.5 is a constant-current long-run LED tape light that runs up to 49.2 ft from a single feed with even brightness from end to end. 42 2835 SMD diodes per foot at 4.5 W/ft on a 10mm board. 90 CRI, field cuttable every 1.97".

FEATURES & APPLICATIONS

- Long run: up to 49.2 ft. from one feed
- Constant-current circuit, even end-to-end
- 4.5 Watts per foot, up to 500 lumens per foot
- Industry-leading 90 CRI (Color Rendering Index)
- Field cuttable at every 1.97 inch
- Fewer feeds and drivers on long runs
- Coves, corridors and perimeter lighting
- 3-year warranty

Performance

Color Temp	2700K	3000K	3500K	4000K	5000K
Watts/FT	4.5	4.5	4.5	4.5	4.5
Lumens/FT	427	457	466	500	500
Efficacy (Lm/W)	95	102	104	111	111
CRI	90	90	90	90	90

TECHNICAL INFORMATION

- **Power Consumption Per Foot:** 4.5 Watts
- **Input Voltage:** 24V DC, constant current
- **Diodes per foot:** 42
- **CRI (Color Rendering Index):** 90
- **Diode Spacing:** 0.29 inches
- **Wiring:** 2 wires (V+, V-)
- **PCB Width:** 0.39 inches (10mm)
- **Beam Angle:** 120°
- **Field Cuttable:** Every 1.97 inch (7 chips)
- **Max Run Length:** 49.2 ft.
- **Dimmable:** Yes, with compatible driver
- **Diode Type:** 2835 SMD
- **Mounting:** 3M™ Self-Adhesive Tape
- **Operating Temperature:** -13° F to 110° F
- **Spool Lengths:** 49.2 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-R45-24-		
	927 2700K	DRY (BLANK)
	930 3000K	
	935 3500K	
	940 4000K	
	950 5000K	

COMPATIBLE DRIVERS



FL-DU5
UNIVERSAL 5-IN-1 DIMMABLE DRIVER



FL-DPJ
PHASE-DIMMABLE J-BOX DRIVER



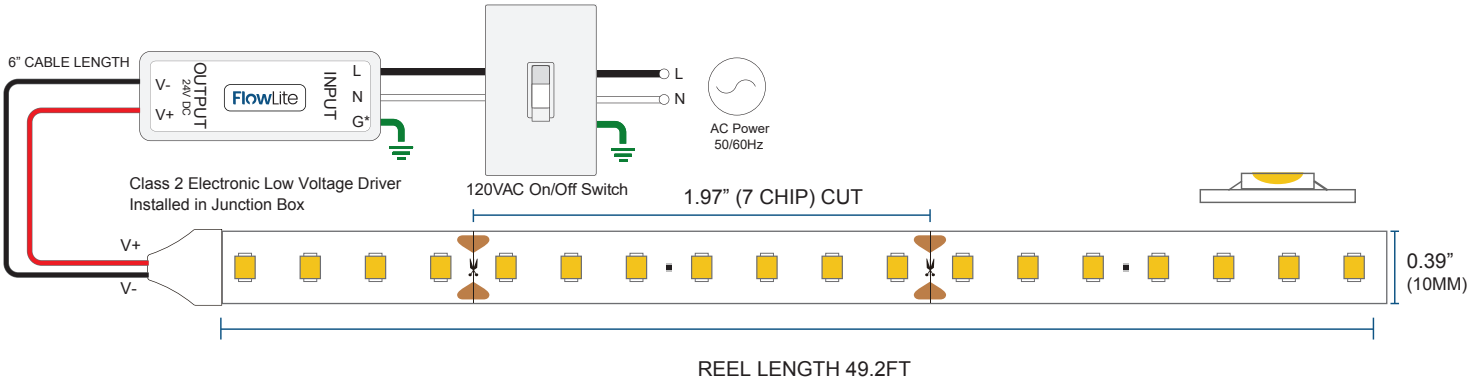
FL-DMC
MICRO DRIVER + DIMMER



FL-DSM
SMART WI-FI/BT MICRO DRIVER

DIMMABLE · IP20 · 24V · 90 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: This tape is constant-current. The chart applies only to the 24V DC feed wire from the driver to the tape; the tape itself holds even brightness along its full length. Max run is 49.2 ft. per feed.

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.