

XFL Flexible Linear

IP 67
Wet
Rated

Side Emitting

90° Side Emitting

With LEDs oriented at 90° and IP67 wet-location protection, the XFL Side Emitting tape delivers wall washing, edge lighting, and architectural accenting where conventional top-emitters fall short.

Features/Benefits

- **Side-Emitting** – 90° LEDs are best suited for illuminating for inside corners, wall washing, and edge-lighting and other architectural accenting.
- **Uncompromised Color Performance** - Superior performance for CRI, R9, Fidelity and Gamut.
- **Robust Construction** - Designed for superior reliability and efficient heat management.
- **Standard 24V DC Input** - Enables easy selection, integration, and power compatibility.
- **IP67 Wet Rated** – fully protected for exterior, submersible, and high-humidity environments.
- **10-yr Warranty** – Peace of mind with specification-grade assurance.

Applications

Superior Illumination for:

- Decorative, Cove, and Accent lighting
- Restaurants, Bars, and Hospitality
- Hotels and Resorts
- Entertainment Venues
- Retail and Department Stores
- Museums and Galleries
- Corporate and Commercial Offices
- Gaming and Casinos
- High-end Residential



RoHS



ORDERING LOGIC

Model	Voltage	Watts/Ft*	LEDs/meter	IP Rating	CCT	CRI	Spool
XFL-SE Side Emitting	24 24V	3.0 3.0W/ft	120 120 LEDs/m	67 IP 67 Rated	27 2700K	90 90 CRI	SP005 5m**
XFT-SE Custom Tape					30 3000K		SP010 10m**
					35 3500K		Blank*** XFT***

Spools Example: XFL-SE-243.0-12067-2790-SP005

Custom Tape Example: XFT-SE-243.0-12067-2790

* 1 Watt/foot = 3.28 Watts/meter

** 5m Spool Length = 16.4 feet

*** This field is left blank for XFT order codes. Contact your Xicato Sales Representative to define specific custom configurations and soldered lead wires. The detailed configuration description will be provided with the quote and order confirmation

XFT CUSTOM TAPE OPTIONS

LED TAPE

Min Length 76.2mm (3")

Max Length 3m

Increment Cuttable to Increments of 50 mm

INPUT LEAD WIRE

LEAD WIRE ONLY

Wire 20 AWG UL2464

Length 3" – 96"

Increment 1" increments

Jacket Black or White

OPTIONAL OUTPUT LEAD WIRE

LEAD WIRE ONLY

Wire 20 AWG UL2464

Length 3" – 96"

Increment 1" increments

Jacket Black or White

GENERAL SPECIFICATIONS

Color White	IP Rating IP 67	Standard Spool m (ft) 5(16.4), 10(32.8)
Beam Angle 108°	LEDs/meter 120	Operating Temp. -20°C to 60°C
CRI 95+	Min Cuttable Length 50mm (1.97")	Storage Temp. -20°C to +70°C
Input Voltage 24 VDC	Profile Width 8 mm (0.31")	Input Wire 20 AWG UL2464

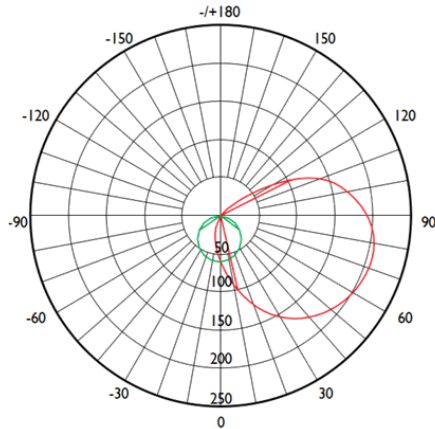
TYPICAL PERFORMANCE

Model Number	CCT	Efficacy (lm/W)	Flux		Watts/m (W/ft)	Max Run m (ft)
			lm/ft	lm/m		
XFL-SE-243.0-12067-2790	2700K	64	193	636	9.84 (3)	3 (9.8)
XFL-SE-243.0-12067-3090	3000K	66	199	655		
XFL-SE-243.0-12067-3590	3500K	66	199	655		

Notes:

1. Test environment temperature : 25±2°C.
2. Values above represent typical performance.
3. Luminous flux is tested at each CCT.
4. Luminous efficiency is a measured value.
5. Max run length is in reference to a single feed.
6. Max run length refers to operating length at UL class II @100W, 24V.
7. The luminous flux and power are listed within ±10%.

POLAR LUMINOUS INTENSITY

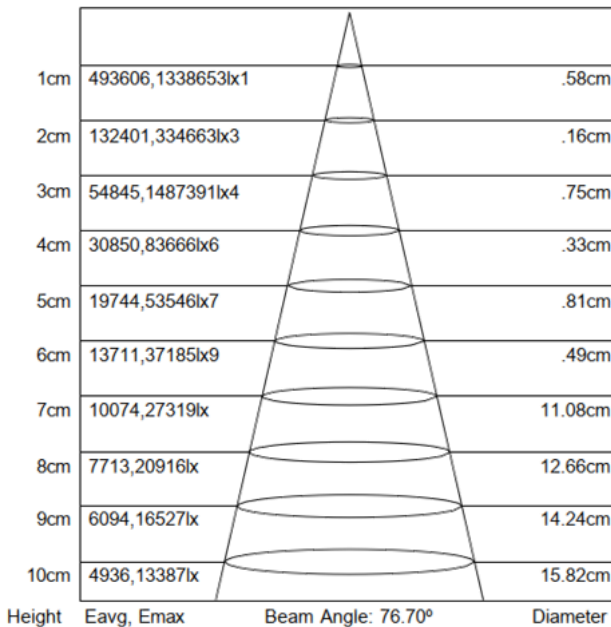


AVERAGE BEAM ANGLE(50%): 108.1°

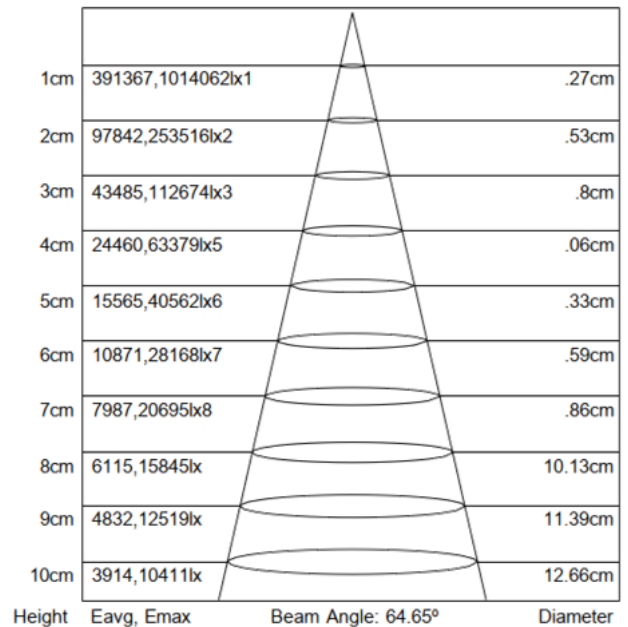
Unit: cd
 — C0/180,104.1°
 — C90/270,112.1°

ILLUMINANCE CONE DIAGRAM

Luminous Flux Output: 51.85lm

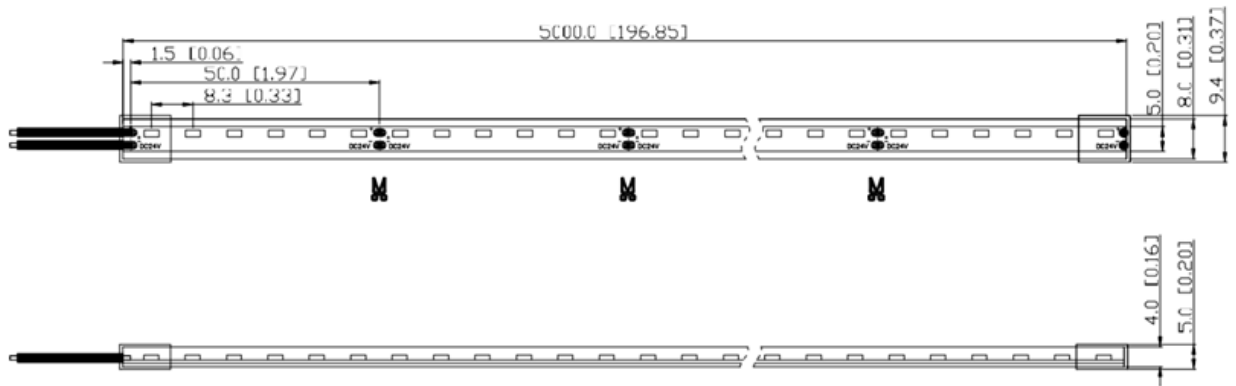


Luminous Flux Output: 101.7lm



Note: The above data are measurements at 4000K, please ask your Xicato Sales Rep sales for other color temperatures.

PROFILE DRAWINGS



Units: mm [inches]
Note : Tolerance ± 0.5 mm

MINIMUM BENDING RADIUS

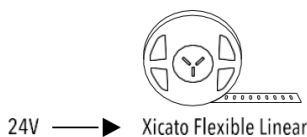
$R_{min} = 20$ mm

Do not exceed minimum bend radius.
Exceeding will damage PCB traces.



XICATO XMESH CONTROL AND INTEGRATION

The XFL Portfolio is part of Xicato's comprehensive end-to-end systems, energizing environments through brilliant lighting and Smart Controls.



--- Connected via Bluetooth Mesh

RECOMMENDED POWER SUPPLIES

XFL SE			
Standard Non-Dimmable			
Meanwell	LPV 20W	20W	✓
Meanwell	LPV 40W	40W	✓
Meanwell	LPV 60W	60W	✓
Meanwell	HLG-100H-24	96W	✓
ELV/Triac Dimmable			
Hatch	LV60-24T-UNV-RR	60W	✓
Hatch	LV96-24T-UNV-II	96W	✓
0-10V / PWM			
Meanwell	PWM-90-24	90W	✓
Meanwell	PWM-60-24	60W	✓
Meanwell	PWM-40-24	40W	✓
Ltech	LM-100-24-U2A2	96W	✓
Xicato	XMV-96V5D2M40-A6A*	96W	✓
DALI			
Ltech	LM-100-24-U2D2	96W	✗
ELDOLED	LIN100S1 / M1	96W	✗
DMX			
Ltech	LM-100-24-U2M2	96W	✗
ELDOLED	LIN100S1 / M1	96W	✗
Xicato Xmesh			
Xicato	XMV-96V5D2M40-A6A*	96W	✗

*XMV is a 24VDC driver and should be paired with an adequate standard non-dimmable driver in order to work with AC power source.

WARRANTY

10

YEAR WARRANTY

Limited Product Warranty

What is Covered

Xicato warrants the XFL product against defects in materials and workmanship for 10 years from date of purchase when used in accordance with product specifications and installation guidelines.

SAFETY AND INSTALLATION WARNINGS

1. Install per local/national electrical code by a licensed electrician.
2. Power with UL Listed Class 2, 24VDC power supply only.
3. Disconnect power before cutting or connecting tape light.
4. Do not exceed maximum run length. Cut at designated cut points only.
5. Do not power LED tape while coiled on reel.
6. Adhere to clean, dry mounting surface free of oils, silicones, and contaminants.
7. Do not install where ambient temperature exceeds rated range.
8. Verify all component compatibility before installation.
9. Do not stare directly into illuminated LED light.
10. Store unused product in anti-static bag.
11. Failure to follow instructions voids warranty.

Consumer Acknowledgment

Please read full Terms and Conditions at xicato.com. Licensed professionals strongly recommended.