

XFL Flexible Linear

Side Emitting

90° Side Emitting

With LEDs oriented at 90°, 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.
- **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	22	IP 22 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 22	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

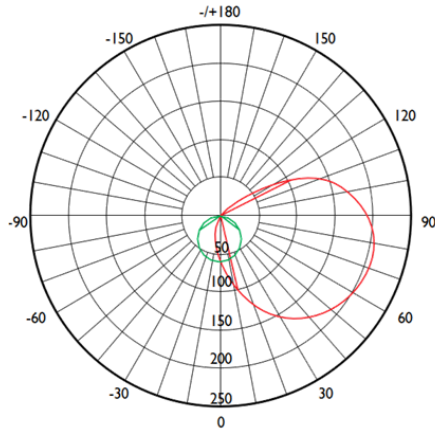
TYPICAL PERFORMANCE

Model Number	CCT	Efficacy (lm/W)	Flux		Watts/m (W/ft)	Max Run m (ft)
			lm/ft	lm/m		
XFL-SE-243.0-12022-2790	2700K	67	200	659	9.84 (3)	3 (9.8)
XFL-SE-243.0-12022-3090	3000K	69	206	679		
XFL-SE-243.0-12022-3590	3500K	69	206	679		

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

1cm	493606,1338653lx1	.58cm
2cm	132401,334663lx3	.16cm
3cm	54845,1487391lx4	.75cm
4cm	30850,83666lx6	.33cm
5cm	19744,53546lx7	.81cm
6cm	13711,37185lx9	.49cm
7cm	10074,27319lx	11.08cm
8cm	7713,20916lx	12.66cm
9cm	6094,16527lx	14.24cm
10cm	4936,13387lx	15.82cm
Height	Eavg, Emax	Diameter

Beam Angle: 76.70°

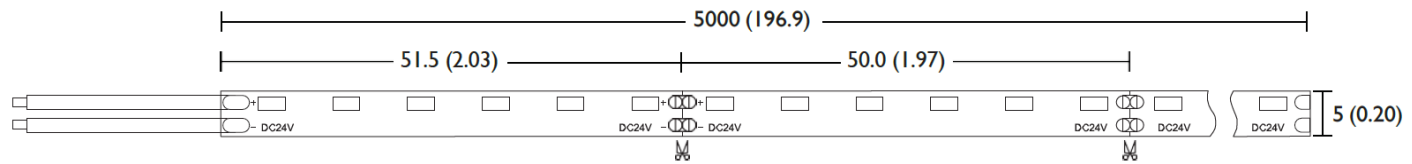
Luminous Flux Output: 101.7lm

1cm	391367,1014062lx1	.27cm
2cm	97842,253516lx2	.53cm
3cm	43485,112674lx3	.8cm
4cm	24460,63379lx5	.06cm
5cm	15565,40562lx6	.33cm
6cm	10871,28168lx7	.59cm
7cm	7987,20695lx8	.86cm
8cm	6115,15845lx	10.13cm
9cm	4832,12519lx	11.39cm
10cm	3914,10411lx	12.66cm
Height	Eavg, Emax	Diameter

Beam Angle: 64.65°

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

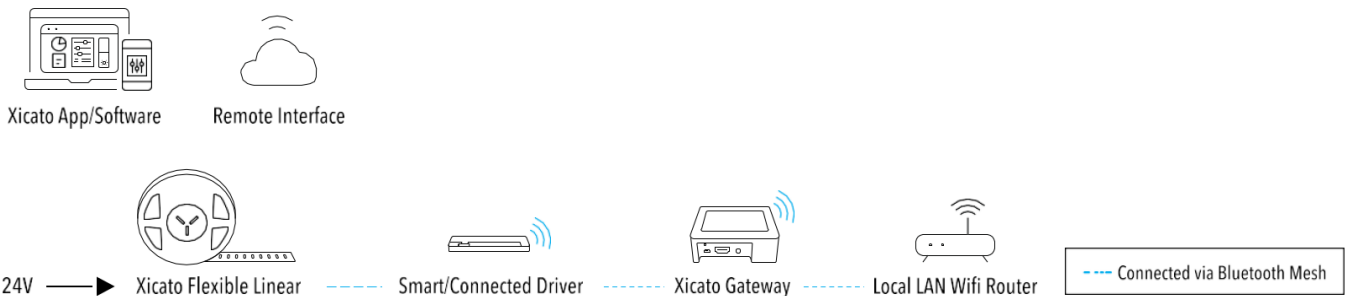
$R_{min} = 20$ mm

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.



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.