

XFL Flexible Linear

Ultra Slim

Ultra Slim, Exceptional Color

Packed with 238 LEDs/m on a 4mm-wide profile, the XFL-US is engineered for the slimmest channels, narrowest reveals, and ultra-fine details where standard tape won't fit — without compromising color performance.

Features/Benefits

- **Ultra-Slim Profile** - Slim 4mm width perfect for the space-constrained application and minimalist design
- **Slim Line of Light** - Packed with 238 LEDs/m for a narrow dot-free continuous illumination
- **Exceptional Color Performance** - High quality light with unmatched CRI, R9, and fidelity metrics.
- **Superior Color Consistency** - Guaranteed <2 SDCM ensures color uniformity across all LEDs, reels, and runs.
- **Standard 24V DC Input** - Simplifies power design and system integration.
- **Robust Construction** - Engineered for enhanced reliability and efficient heat management.
- **Flexible Delivery Formats** - Available in spools (XFL) or custom-finished tape, cut to specified lengths .

Applications

Superior Illumination for:

- Narrow Architectural Details
- Shelving and Cabinetry
- Showcase and Displays
- Hotel and Hospitality
- Retail and Department Stores
- Museums and Galleries
- Gaming and Casinos
- High-end Residential



RoHS



ORDERING LOGIC

Model		Voltage		Watts/Ft*		LEDs/meter		IP Rating		CCT		CRI		Spool	
XFL-US	Ultra Slim	24	24V	3.7	3.7W/ft	238	238 LEDs/m	22	IP 22 Rated	22	2200K	95	95 CRI	SP005	5m**
XFT-US	Custom Tape									25	2500K			SP010	10m**
										27	2700K			SP030	30.5m**
										30	3000K			Blank***	XFT***
										35	3500K				
										40	4000K				
										50	5000K				

Spools Example: XFL-US-243.7-23822-2295-SP005

Custom Tape Example: XFT-US-243.7-23822-2295

* 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 2m

Increment Cuttable to Increments of 29.4 mm

INPUT LEAD WIRE

LEAD WIRE ONLY

Wire 20 AWG UL2464

Length 3" – 96"

Increment 1" increments

Jacket Black or White

LEAD WIRE TERMINATED WITH FEMALE CONNECTOR

Wire 20 AWG UL2464

Length Fixed 48"

Increment NA

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

LEAD WIRE TERMINATED WITH MALE CONNECTOR

Wire 20 AWG UL2464

Min / Max Fixed 48"

Increment NA

Jacket Black or White

GENERAL SPECIFICATIONS

Color White	IP Rating IP 22	Standard Spool m (ft) 5(16.4), 10(32.8), 30.5(98.4)
Beam Angle 120°	LEDs/meter 238	Operating Temp. -20°C to 60°C
CRI 95	Min Cuttable Length 29.4mm (1.16")	Storage Temp. -20°C to +70°C
Input Voltage 24 VDC	Profile Width 10 mm (0.39")	Input Wire 20 AWG UL2464

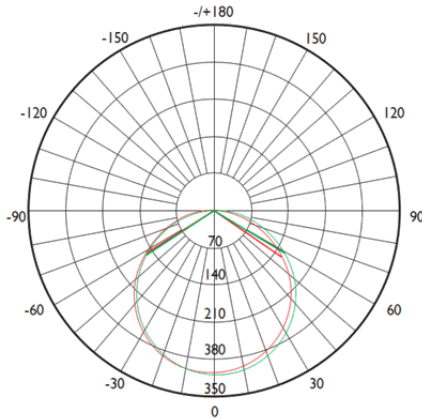
TYPICAL PERFORMANCE

Model Number	CCT	Efficacy (lm/W)	Flux		Watts/m (W/ft)	Max Run m (ft)
			lm/ft	lm/m		
XFL-US-243.7-23822-2295	2200K	53	196	643	12.14 (3.7)	2 (6.6)
XFL-US-243.7-23822-2595	2500K	74	272	893		
XFL-US-243.7-23822-2795	2700K	81	301	987		
XFL-US-243.7-23822-3095	3000K	84	311	1022		
XFL-US-243.7-23822-3595	3500K	85	313	1027		
XFL-US-243.7-23822-4095	4000K	85	314	1030		
XFL-US-243.7-23822-5095	5000K	87	322	1056		

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



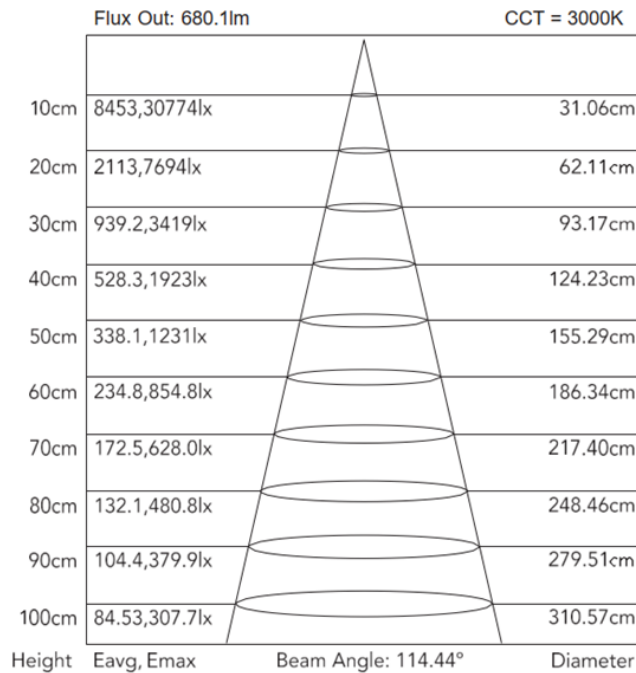
AVERAGE BEAM ANGLE(50%): 115.2°

Unit: cd

— C0/180, 114.5°

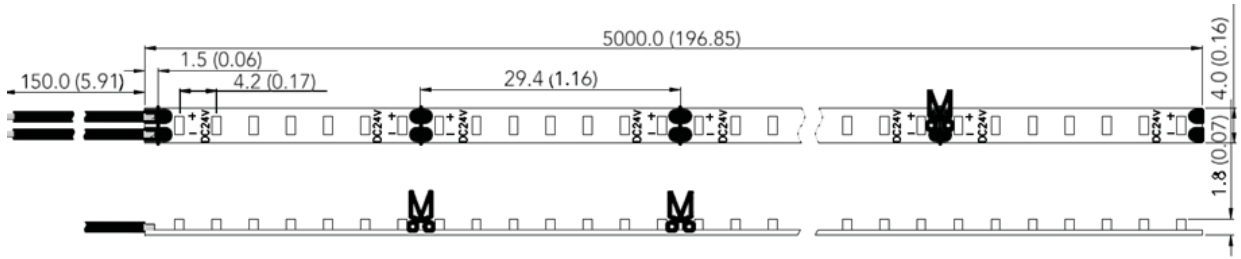
— C90/270, 115.9°

ILLUMINANCE CONE DIAGRAM



Note: The above two figures are tested with the sample at color temperature 3000K.

PROFILE DRAWINGS



Units: mm [inches]

MINIMUM BENDING RADIUS

$R_{min} = 20 \text{ mm}$

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.



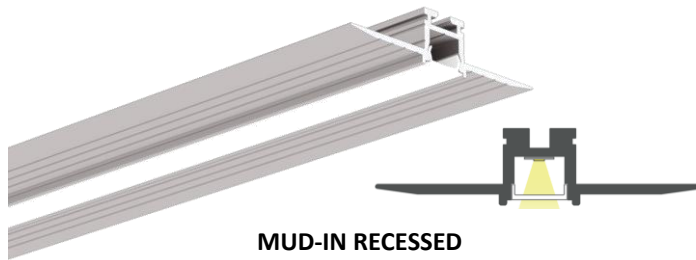
--- Connected via Bluetooth Mesh

RECOMMENDED CHANNELS**MINIMALIST SERIES**

SURFACE
XCC-C-MM-PIKO



SUSPENDED
XCC-C-MM-PIKOZM



MUD-IN RECESSED
XCC-C-MM-KOZEL10

SPECIALTY SERIES

SHELF / PANEL
XCC-C-SP-PULA

RECOMMENDED ENDCAPS AND MOUNTS

SPECIALTY SERIES

Model	Type	Finish	XCC-C-SP-45PLUS	XCC-C-SP-NISANI	XCC-C-SP-PULA
XCC-E-SP-PULA-MT-LEFT	Left End Cap	Metallic			✓
XCC-E-SP-PULA-MT-RIGHT	Right End Cap	Metallic			✓

MINIMALIST SERIES

Model	Type	Finish	XCC-C-MM-PIKOZM	XCC-C-MM-PIKO	XCC-C-MM-KOZEL10
XCC-E-MM-PIKOZM-GR-STD	End Cap	Gray	✓		✓
XCC-E-MM-PIKOZM-WH-STD	End Cap	White	✓		✓
XCC-E-MM-PIKOZM-BK-STD	End Cap	Black	✓		✓
XCC-E-MM-PIKOZM-GR-HOLE	End Cap with Hole	Gray	✓		✓
XCC-E-MM-PIKOZM-WH-HOLE	End Cap with Hole	White	✓		✓
XCC-E-MM-PIKOZM-BK-HOLE	End Cap with Hole	Black	✓		✓
XCC-E-MM-PIKO-GR-STD	End Cap	Gray		✓	
XCC-M-MM-PIKO-K10-CL	Mounting Bracket	Clear Plastic	✓	✓	

RECOMMENDED COVERS AND LENSES

Channel Extrusion	Frosted	Clear	Satin	Black
Minimalist				
XCC-C-MM-PIKO 			XCC-L-PICO7-ST	XCC-L-PICO7-BK
Specialty				
XCC-C-SP-45PLUS 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK
XCC-C-SP-NISANI 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK

RECOMMENDED POWER SUPPLIES

XFL US			
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.