

XFL Flexible Linear

Full Spectrum

Full Spectrum Artificial Sunlight

Designed to simulate natural sunlight, Full Spectrum renders color with daylight fidelity while providing healthier illumination that supports circadian wellness, minimizing the negative effects of conventional LED lighting.

Features/Benefits

- **Full Spectrum Performance** – Sunlight-like illumination with best in class for CRI, R9, Fidelity and Gamut.
- **Standard 24V DC Input** – Compatible with a wide range of Class 2 power supplies for easy installation.
- **Optimal Consistency** – Visually identical color from run to run with <3 SDCM color consistency
- **Multiple Options** – Available in 4 output levels across 4000K, 5000K, 5700K calibrated for all daytime usage.
- **Flexible Delivery Formats** – Order as spools (XFL) or custom-cut with tape with lead wires (XFT).
- **10-yr warranty and CA Title 20** – Peace of mind with fully compliant and specification-grade assurance.

Applications

Superior Illumination for:

- Healthcare and Medical Offices
- Schools and Classrooms
- Childcare and Daycare Facilities
- Corporate and Commercial Offices
- Spa and Wellness Facilities
- Gaming and Casinos
- High-end Residential



RoHS



ORDERING LOGIC

Model		Voltage		Watts/Ft*		LEDs/meter		IP Rating		CCT		CRI		Spool	
XFL-FS	Full Spectrum	24	24V	3.0	3.0W/ft	120	120 LEDs/m	22	IP 22 Rated	40	4000K	95	95 CRI	SP005	5m**
XFT-FS	Custom Tape			4.4	4.4W/ft					50	5000K			SP010	10m**
				5.0	5.0W/ft					57	5700K			SP030	30.5m**
				6.0	6.0W/ft									Blank***	XFT***

Spools Example: XFL-FS- 243.0-12022-4095-SP005

Custom Tape Example: XFT-FS- 243.0-12022-4095-SP005

* 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 7.5m

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

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 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 10 mm (0.39")	Input Wire 20 AWG UL2464

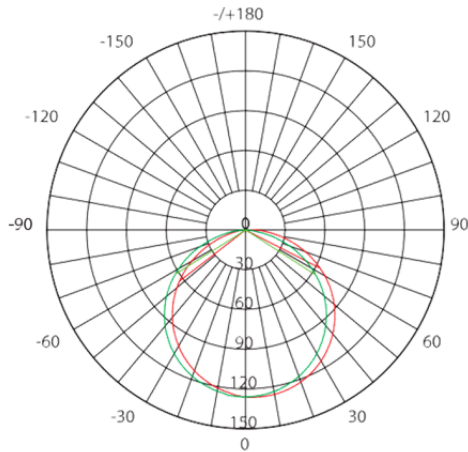
TYPICAL PERFORMANCE

Model Number	CCT	Efficacy (lm/W)	Flux lm/m (lm/ft)	Watts/m (W/ft)	Max Run Length m (ft)
XFL-FS-243.0-12022-4095	4000	76	750 (228)	9.84 (3)	7.5 (24.6)
XFL-FS-243.0-12022-5095	5000	77	758 (231)		
XFL-FS-243.0-12022-5795	5700	77	765 (233)		
XFL-FS-244.4-12022-4095	4000	72	1046 (318)	14.43 (4.4)	6.5 (21.3)
XFL-FS-244.4-12022-5095	5000	72	1058 (322)		
XFL-FS-244.4-12022-5795	5700	74	1076 (327)		
XFL-FS-245.0-12022-4095	4000	70	1161 (353)	16.4 (5)	6 (19.7)
XFL-FS-245.0-12022-5095	5000	71	1176 (358)		
XFL-FS-245.0-12022-5795	5700	72	1191 (363)		
XFL-FS-246.0-12022-4095	4000	68	1352 (412)	19.68 (6)	5 (16.4)
XFL-FS-246.0-12022-5095	5000	67	1321 (402)		
XFL-FS-246.0-12022-5795	5700	67	1330 (405)		

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



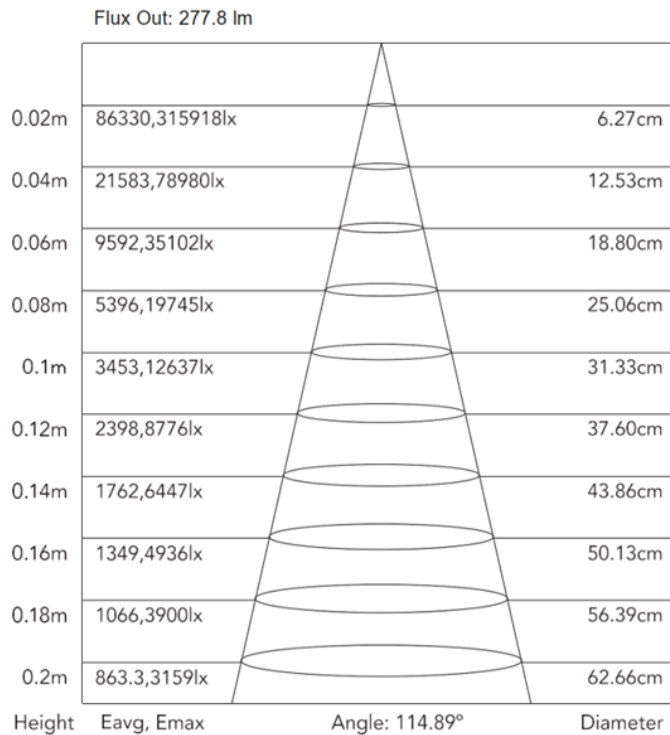
AVERAGE BEAM ANGLE(50%): 115.1°

Unit: cd

— C0/180, 115.1°

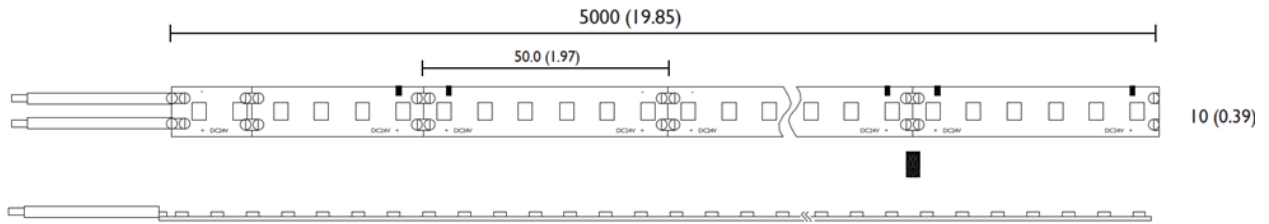
— C90/270, 115.1°

ILLUMINANCE CONE DIAGRAM



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance. Measurements at 100% intensity

PROFILE DRAWINGS



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

MINIMUM BENDING RADIUS

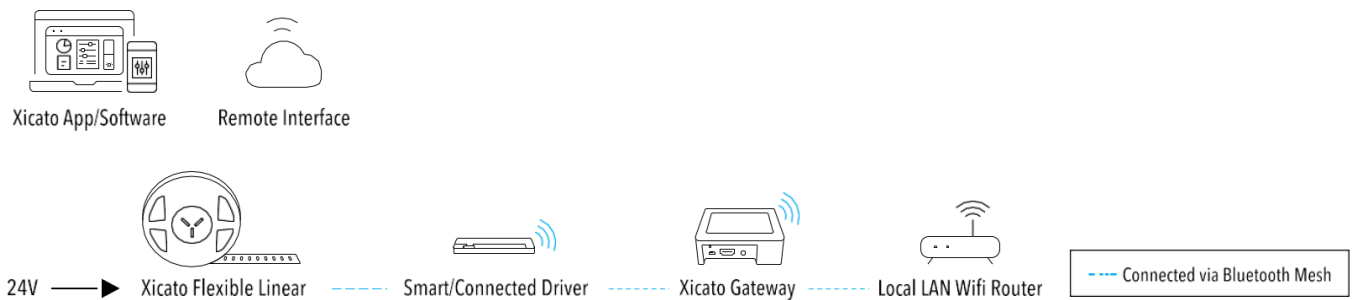
$R_{\min} = 20$ mm

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 CHANNELS

SQUARE SERIES

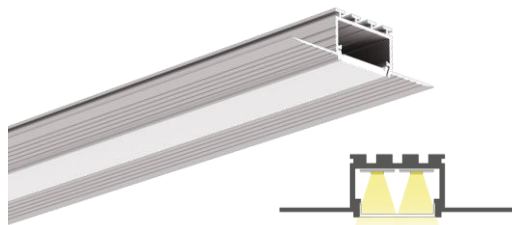


RECESSED
XCC-C-SQ-PDSNK

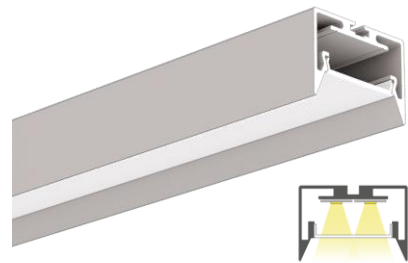


SURFACE / SUSPENDED
XCC-C-SQ-PDS4PLUS

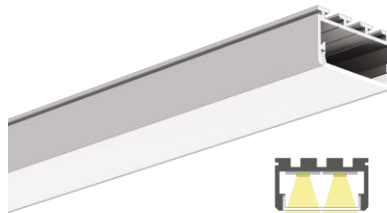
RECTANGLE SERIES



MUD-IN RECESSED
XCC-C-RT-KOZUS



SUSPENDED
XCC-C-RT-GIZALLZMG



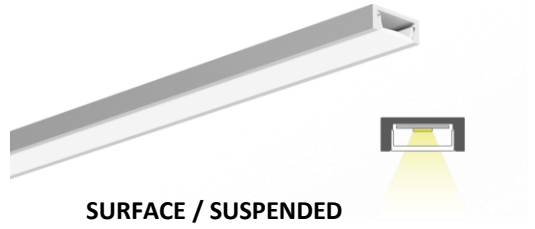
SURFACE
XCC-C-RT-GIZALL

RECOMMENDED CHANNELS

MICRO SERIES

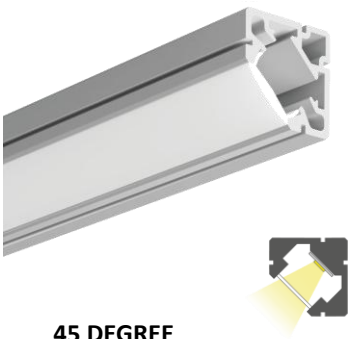


RECESSED
XCC-C-MC-MICRONK



SURFACE / SUSPENDED
XCC-C-MC-MICPLUS

SPECIALTY SERIES



45 DEGREE
XCC-C-SP-45PLUS



COVE / PERIMETER
XCC-C-SP-NISANI

RECOMMENDED ENDCAPS AND MOUNTS

SQUARE SERIES

Model	Type	Finish	XCC-E-SQ-PDS4PLUS	XCC-C-SQ-PDSNK
XCC-E-SQ-PDS4PLUS-GR-STD	End Cap	Gray	✓	
XCC-E-SQ-PDS4PLUS-WH-STD	End Cap	White	✓	
XCC-E-SQ-PDS4PLUS-BK-STD	End Cap	Black	✓	
XCC-E-SQ-PDS4PLUS-GR-HOLE	End Cap with Hole	Gray	✓	
XCC-E-SQ-PDS4PLUS-WH-HOLE	End Cap with Hole	White	✓	
XCC-E-SQ-PDS4PLUS-BK-HOLE	End Cap with Hole	Black	✓	
XCC-E-SQ-PDSNK-GR-STD	End Cap	Gray		✓
XCC-E-SQ-PDSNK-WH-STD	End Cap	Clear Plastic		✓
XCC-E-SQ-PDSNK-BK-STD	End Cap			✓
XCC-E-SQ-PDSNK-GR-HOLE	End Cap with Hole			✓
XCC-E-SQ-PDSNK-WH-HOLE	End Cap with Hole			✓
XCC-E-SQ-PDSNK-BK-HOLE	End Cap with Hole			✓
XCC-M-SQ-PDS4PLUS-PDS-WH	Mounting Bracket	White	✓	
XCC-M-SQ-PDS4PLUS-PDS-BK	Mounting Bracket	Black	✓	
XCC-M-SQ-PDS4PLUS-PDSSTN-SL	Mounting Bracket	Stainless Steel	✓	
XCC-M-SQ-PDS4PLUS-PLPDM-GR	Mounting Bracket	Gray	✓	
XCC-M-SQ-PDS4PLUS-PDSSTN90D-SL	90Deg Mount	Stainless Steel	✓	
XCC-M-SQ-PDS4PLUS-REGPD-GR	Adjustable Mount	Gray	✓	

RECOMMENDED ENDCAPS AND MOUNTS

RECTANGLE SERIES

Model	Type	Finish	XCC-C-RT-GIZALLZMG	XCC-C-RT-GIZALL	XCC-C-RT-KOZUS
XCC-E-RT-GIZALL-GR-STD	End Cap	Gray		✓	
XCC-E-RT-GIZALL-WH-STD	End Cap	White		✓	
XCC-E-RT-GIZALLZMG-GR-STD	End Cap	Gray	✓		
XCC-E-RT-GIZALLZMG-BK-STD	End Cap	Black	✓		
XCC-E-RT-KOZUS-GR-STD	End Cap	Gray			✓
XCC-M-RT-GIZALL-GIP-GR	Mounting Bracket	Gray		✓	
XCC-M-RT-GIZALL-GIP-BK	Mounting Bracket	Black		✓	
XCC-M-RT-GIZALL-REGIP-GR	Adjustable Mount	Gray		✓	
XCC-M-RT-GIZALL-GIPSTN-SL	Mounting Bracket	Stainless Steel		✓	

MICRO SERIES

Model	Type	Finish	XCC-C-MC-MICROPLUS	XCC-C-MC-MICRONK
XCC-E-MC-MICROPLUS-GR-STD	End Cap	Gray	✓	
XCC-E-MC-MICROPLUS-WH-STD	End Cap	White	✓	
XCC-E-MC-MICROPLUS-BK-STD	End Cap	Black	✓	
XCC-E-MC-MICROPLUS-GR-HOLE	End Cap with Hole	Gray	✓	
XCC-E-MC-MICROPLUS-WH-HOLE	End Cap with Hole	White	✓	
XCC-E-MC-MICROPLUS-BK-HOLE	End Cap with Hole	Black	✓	
XCC-E-MC-MICRONK-GR-STD	End Cap	Gray		✓
XCC-E-MC-MICRONK-BK-STD	End Cap	Clear Plastic		✓
XCC-E-MC-MICRONK-GR-HOLE	End Cap with Hole			✓
XCC-E-MC-MICRONK-BK-HOLE	End Cap with Hole			✓
XCC-M-SQ-PDS4PLUS-PDS-WH	Mounting Bracket	White	✓	
XCC-M-SQ-PDS4PLUS-PDS-BK	Mounting Bracket	Black	✓	
XCC-M-SQ-PDS4PLUS-PDSSTN-SL	Mounting Bracket	Stainless Steel	✓	
XCC-M-SQ-PDS4PLUS-PLPDM-GR	Mounting Bracket	Gray	✓	
XCC-M-SQ-PDS4PLUS-PDSSTN90D-SL	90Deg Mount	Stainless Steel	✓	
XCC-M-SQ-PDS4PLUS-REGPD-GR	Adjustable Mount	Gray	✓	

RECOMMENDED ENDCAPS AND MOUNTS

SPECIALTY SERIES

Model	Type	Finish	XCC-C-SP-45PLUS	XCC-C-SP-NISANI
XCC-E-SP-45PLUS-GR-STD	End Cap	Gray	✓	
XCC-E-SP-45PLUS-WH-STD	End Cap	White	✓	
XCC-E-SP-45PLUS-BK-STD	End Cap	Black	✓	
XCC-E-SP-45PLUS-R-GR-STD	End Cap (Rounded)	Gray	✓	
XCC-E-SP-45PLUS-R-WH-STD	End Cap (Rounded)	White	✓	
XCC-E-SP-45PLUS-R-BK-STD	End Cap (Rounded)	Black	✓	
XCC-E-SP-45PLUS-GR-HOLE	End Cap with Hole	Gray	✓	
XCC-E-SP-45PLUS-WH-HOLE	End Cap with Hole	White	✓	
XCC-E-SP-45PLUS-BK-HOLE	End Cap with Hole	Black	✓	
XCC-E-SP-45PLUS-R-GR-HOLE	End Cap with Hole (R)	Gray	✓	
XCC-E-SP-45PLUS-R-WH-HOLE	End Cap with Hole (R)	White	✓	
XCC-E-SP-45PLUS-R-BK-HOLE	End Cap with Hole (R)	Black	✓	
XCC-E-SP-NISANI-GR-STD	End Cap	Gray		✓
XCC-M-SP-45PLUS-45STN-SL	Mounting Bracket	Silver	✓	
XCC-M-SP-45PLUS-45STN-WH	Mounting Bracket	White	✓	
XCC-M-SP-45PLUS-45STN-BK	Mounting Bracket	Black	✓	

RECOMMENDED COVERS AND LENSES

Channel Extrusion	Frosted	Clear	Satin	Black
Micro				
XCC-C-MC-MICRONK 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK
XCC-C-MC-MICPLUS 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK
Square				
XCC-C-SQ-PDSNK 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK
XCC-C-SQ-PDS4PLUS 	XCC-L-HS11-FR	XCC-L-HS11-CL	XCC-L-LIGER11-ST	XCC-L-LIGER11-BK
Rectangle				
XCC-C-RT-KOZUS 	XCC-L-HS22-FR	XCC-L-HS22-CL	XCC-L-LIGER22-ST	XCC-L-LIGER22-BK
XCC-C-RT-GIZALL 	XCC-L-HS22-FR	XCC-L-HS22-CL	XCC-L-LIGER22-ST	XCC-L-LIGER22-BK
XCC-C-RT-GIZALLZMG 	XCC-L-HS22-FR	XCC-L-HS22-CL	XCC-L-LIGER22-ST	XCC-L-LIGER22-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 FS			
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.