

XFL Flexible Linear

IP 67
Wet
Rated

High Density

No Pixelation, No Compromise

The High Density is packed with 700 LEDs/m to deliver a dot-free seamless, continuous, ribbon-like line of light with unmatched color performance — IP67 rated for interior and exterior, wet, or high-humidity environments.

Features/Benefits

- **High Density** – Continuous illumination with zero pixelation even in direct view and shallow extrusions.
- **Uncompromised Color** - Superior performance for CRI, R9, Fidelity and Gamut.
- **Unmatched Color Consistency** - Premium ≤ 2 SDCM for identical color run to run.
- **IP67 Wet Rated** – Protected for exterior, wet, and high-humidity applications.
- **Abundant Options** – Choose from 4 output levels across 7 CCT (from 2200K to 5000K) for any spec requirements.
- **Standard 24V DC Input** – Compatible with a wide range of Class 2 power supplies for easy installation.
- **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-HD High Density	24 24V	3.0 3.0W/ft	700 700 LEDs/m	67 IP 67 Rated	22 2200K	95 95 CRI	SP005 5m**
XFT-HD Custom Tape		4.4 4.4W/ft			25 2500K		SP010 10m**
		5.0 5.0W/ft			27 2700K		Blank*** XFT***
		6.6 6.6W/ft			30 3000K		
					35 3500K		
					40 4000K		
					50 5000K		

Spools Example: XFL-HD-243.0-70022-2295-SP005

Custom Tape Example: XFT-HD-243.0-70022-2295

* 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 4.5m

Increment Cuttable to Increments of 10 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 120°	LEDs/meter 700	Operating Temp. -20°C to 60°C
CRI 95	Min Cuttable Length 10mm (0.39")	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-HD-243.0-70067-2295	2200	59	177	578	9.84 (3)	4.5 (14.8)
XFL-HD-243.0-70067-2595	2500	70	209	686		
XFL-HD-243.0-70067-2795	2700	77	230	752		
XFL-HD-243.0-70067-3095	3000	79	238	781		
XFL-HD-243.0-70067-3595	3500	81	242	794		
XFL-HD-243.0-70067-4095	4000	83	249	816		
XFL-HD-243.0-70067-5095	5000	83	249	816	14.43 (4.4)	3.5 (11.5)
XFL-HD-244.4-70067-2295	2200	62	271	891		
XFL-HD-244.4-70067-2595	2500	68	299	980		
XFL-HD-244.4-70067-2795	2700	82	360	1182		
XFL-HD-244.4-70067-3095	3000	85	374	1227		
XFL-HD-244.4-70067-3595	3500	86	380	1248		
XFL-HD-244.4-70067-4095	4000	89	391	1282		
XFL-HD-244.4-70067-5095	5000	89	391	1282	16.4 (5)	3 (9.8)
XFL-HD-245.0-70067-2295	2200	67	335	1097		
XFL-HD-245.0-70067-2595	2500	70	351	1153		
XFL-HD-245.0-70067-2795	2700	78	390	1280		
XFL-HD-245.0-70067-3095	3000	81	405	1329		
XFL-HD-245.0-70067-3595	3500	82	412	1350		
XFL-HD-245.0-70067-4095	4000	85	424	1389		
XFL-HD-245.0-70067-5095	5000	85	424	1389		

All data shown is nominal. Specifications and data are subject to change without notice.

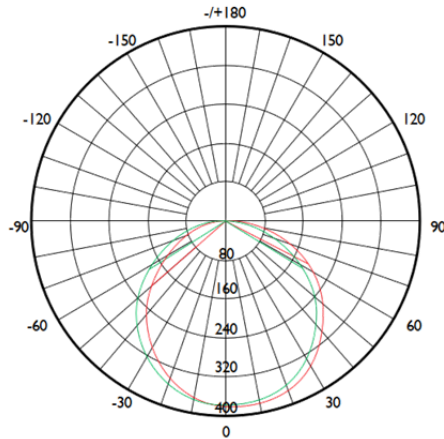
GENERAL SPECIFICATIONS

Model Number	CCT	Efficacy (lm/W)	Flux		Watts/m (W/ft)	Max Run m (ft)
			lm/ft	lm/m		
XFL-HD-246.6-70067-2295	2200	70	463	1520	21.65 (6.6)	2.5 (8.2)
XFL-HD-246.6-70067-2595	2500	79	523	1716		
XFL-HD-246.6-70067-2795	2700	87	572	1879		
XFL-HD-246.6-70067-3095	3000	90	594	1951		
XFL-HD-246.6-70067-3595	3500	92	604	1983		
XFL-HD-246.6-70067-4095	4000	94	621	2040		
XFL-HD-246.6-70067-5095	5000	94	621	2040		

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



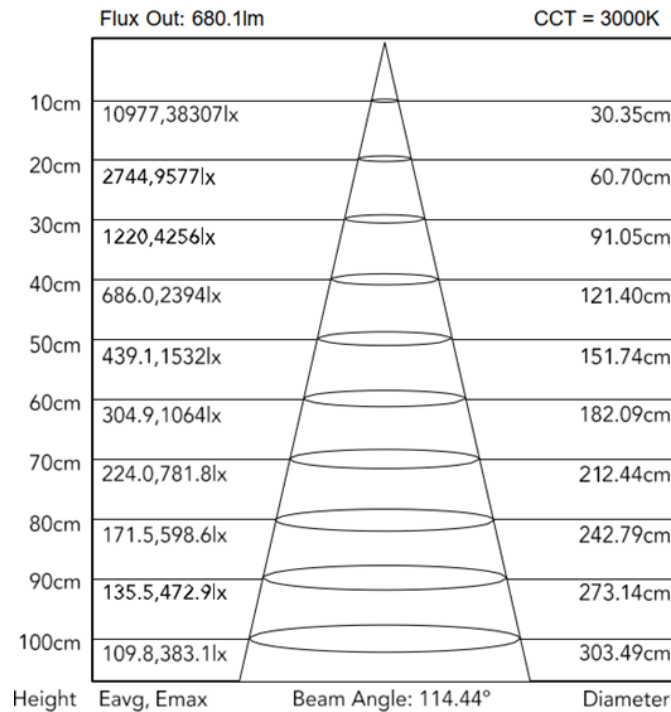
AVERAGE BEAM ANGLE(50%): 114.4°

Unit: cd

— C0/180,113.2°

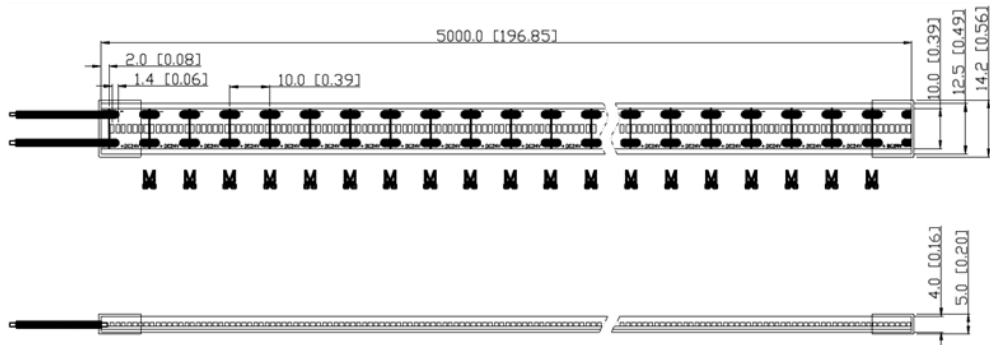
— C90/270,115.6°

ILLUMINANCE CONE DIAGRAM



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

PROFILE DRAWINGS



Units: mm [inches]

Note : Tolerance ± 0.5 mm

MINIMUM BENDING RADIUS

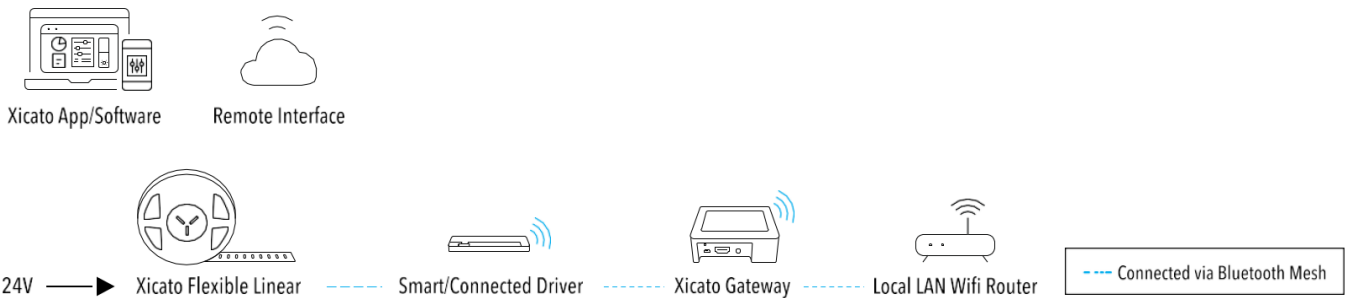
$R_{\min} = 20$ mm

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.

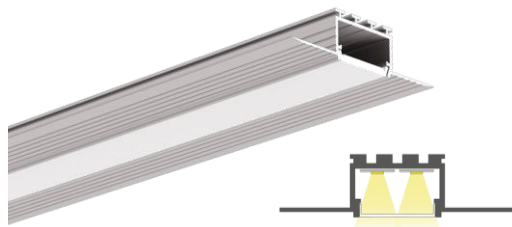


RECOMMENDED CHANNELS**SQUARE SERIES**

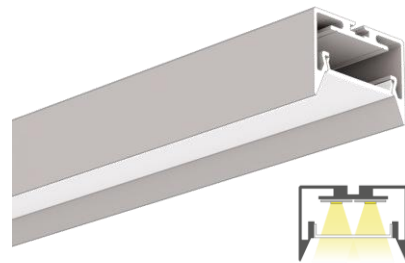
RECESSED
XCC-C-SQ-PDSNK



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 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		✓	

RECOMMENDED COVERS AND LENSES

Channel Extrusion		Frosted	Clear	Satin	Black
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

RECOMMENDED POWER SUPPLIES

XFL HD			
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

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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.