

XFL Flexible Linear

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.

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.
- **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.
- **Flexible Delivery Formats** – Order as spools (XFL) or custom-cut with tape with lead wires (XFT).
- **10-yr Warranty** – Peace of mind with specification-grade assurance.

Applications

Superior Illumination for:

- Decorative, Accent, or Cove lighting
- Shelving and Signage
- Rails and Perimeter Lighting
- Restaurants, Bars, and Hospitality
- Hotels and Resorts
- Retail and Department Stores
- 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	22	IP 22 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			SP030	30.5m**
				6.6	6.6W/ft					30	3000K			Blank***	XFT***
										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

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 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-243.0-70022-2295	2200	61	183	599	9.84 (3)	4.5 (14.8)
XFL-HD-243.0-70022-2595	2500	72	217	711		
XFL-HD-243.0-70022-2795	2700	79	238	779		
XFL-HD-243.0-70022-3095	3000	82	247	809		
XFL-HD-243.0-70022-3595	3500	84	251	823		
XFL-HD-243.0-70022-4095	4000	86	258	846		
XFL-HD-243.0-70022-5095	5000	86	258	846	14.43 (4.4)	3.5 (11.5)
XFL-HD-244.4-70022-2295	2200	64	281	923		
XFL-HD-244.4-70022-2595	2500	70	310	1016		
XFL-HD-244.4-70022-2795	2700	85	373	1225		
XFL-HD-244.4-70022-3095	3000	88	388	1272		
XFL-HD-244.4-70022-3595	3500	90	394	1293		
XFL-HD-244.4-70022-4095	4000	92	405	1329		
XFL-HD-244.4-70022-5095	5000	92	405	1329	16.4 (5)	3 (9.8)
XFL-HD-245.0-70022-2295	2200	69	347	1137		
XFL-HD-245.0-70022-2595	2500	73	364	1195		
XFL-HD-245.0-70022-2795	2700	81	404	1326		
XFL-HD-245.0-70022-3095	3000	84	420	1377		
XFL-HD-245.0-70022-3595	3500	85	427	1399		
XFL-HD-245.0-70022-4095	4000	88	439	1439		
XFL-HD-245.0-70022-5095	5000	88	439	1439		

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

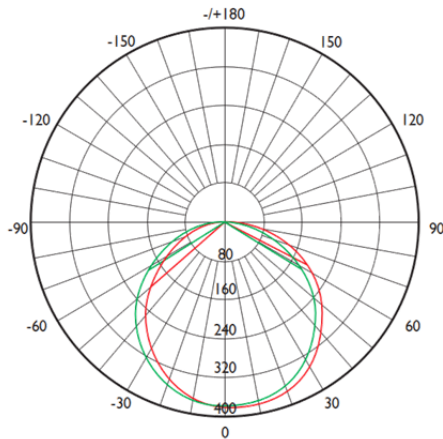
GENERAL SPECIFICATIONS

Model Number	CCT	Efficacy (lm/W)	Flux		Watts/m (W/ft)	Max Run m (ft)
			lm/ft	lm/m		
XFL-HD-246.6-70022-2295	2200	73	480	1575	21.65 (6.6)	2.5 (8.2)
XFL-HD-246.6-70022-2595	2500	82	542	1778		
XFL-HD-246.6-70022-2795	2700	90	593	1947		
XFL-HD-246.6-70022-3095	3000	93	616	2022		
XFL-HD-246.6-70022-3595	3500	95	626	2055		
XFL-HD-246.6-70022-4095	4000	98	644	2114		
XFL-HD-246.6-70022-5095	5000	98	644	2114		

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



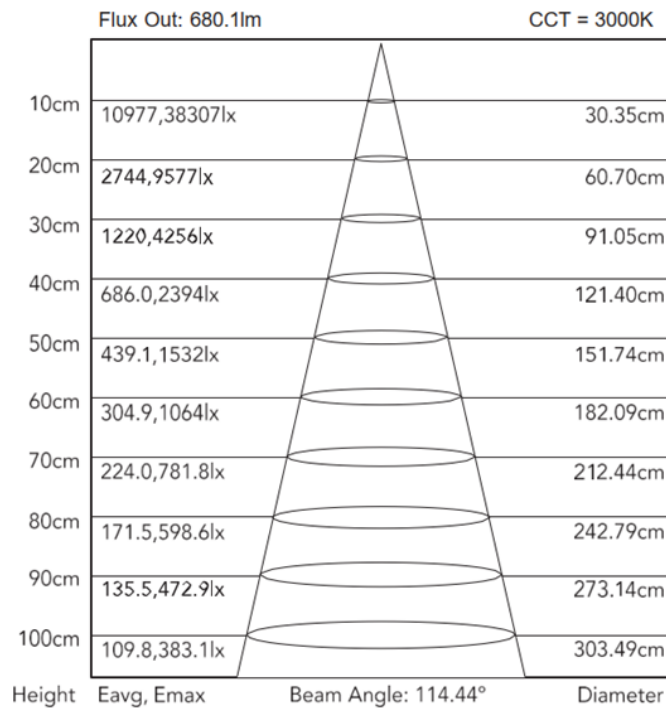
AVERAGE BEAM ANGLE(50%): 114.4°

Unit: cd

— C0/180,113.2°

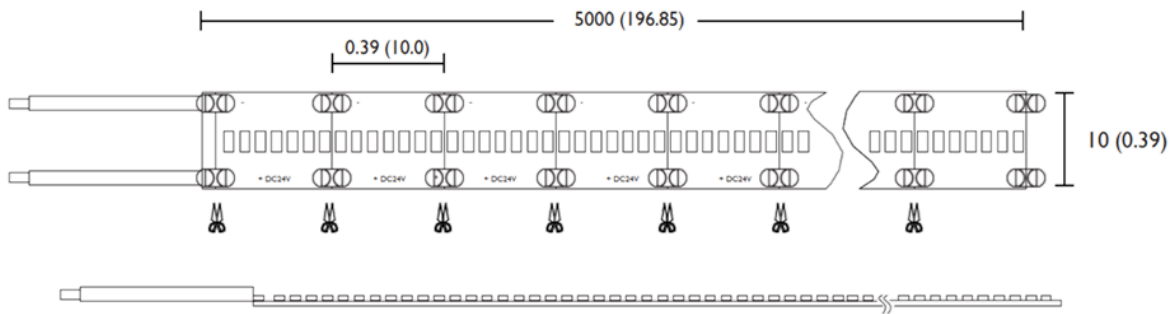
— C90/270,115.6°

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

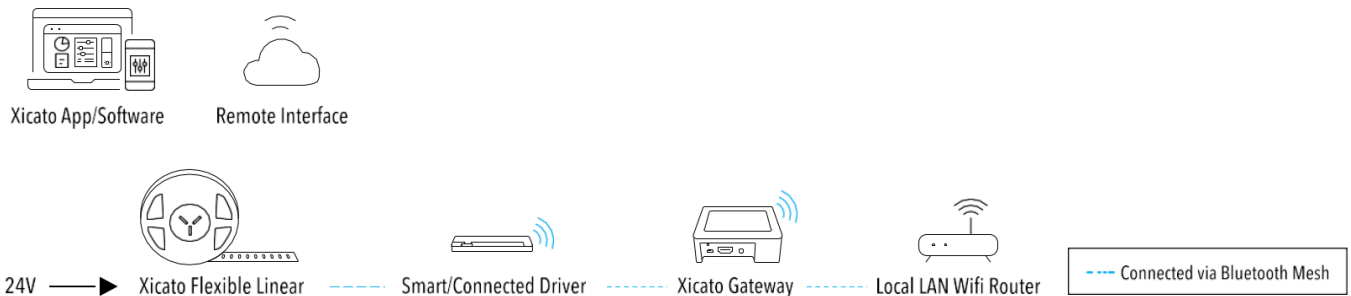
$R_{min} = 20$ mm

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

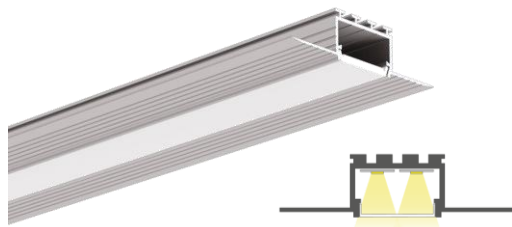


RECESSED
XCC-C-SQ-PDSNK

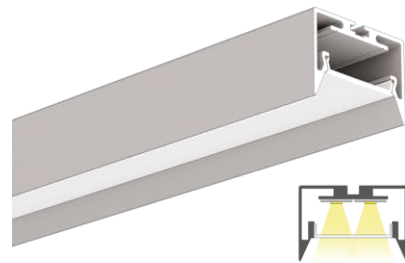


SURFACE / SUSPENDED
XCC-C-SQ-PDS4PLUS

RECTANGLE SERIES



MUD-IN RECESSED
XCC-C-RT-KOZUS



SUSPENDED
XCC-C-RT-GIZALLZMG



SURFACE
XCC-C-RT-GIZALL

RECOMMENDED CHANNELS

MICRO SERIES

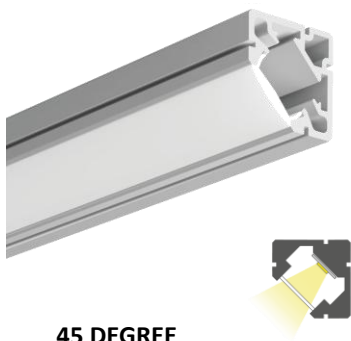


RECESSED
XCC-C-MC-MICRONK



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 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

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.