



XFL Flexible Linear LED High Density

Xicato designs and delivers one of the broadest portfolio spot and linear light sources and electronics that enable architects, designers and building managers to create beautiful, smart spaces in which people love to live and work. With thousands of installations around the globe, Xicato continues to be a leading supplier of high quality lighting solutions. Xicato is defining the future of intelligent light sources by integrating electronics, software and connectivity. Founded in 2007, Xicato's headquarters is based in Silicon Valley and the company has offices in China, Europe and the US.

xicato.com

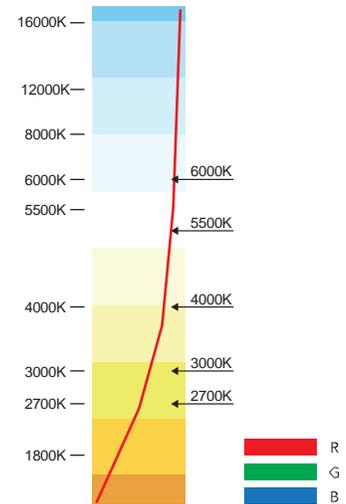
DRY
LOCATION

DC
ONLY

XFL Flexible Linear LED High Density

Features

- Unmatched performance for CRI, R9, Fidelity and Gamut
- Premium ≤ 2 SDCM color consistency
- High Density 700 LEDs/m
- 24V input, standard for simpler power and design
- Superior construction for higher reliability and heat management
- 10-year warranty
- Available in spools (XFL) or as custom finished tape cut to a specified length with soldered lead wires



Spec Locks

Spec Locks	Gold Plated PCB	CRI	R9	Gamut	Fidelity	SDCM Steps	Max Run	Luminous Efficacy	Benefits
High-Density									Superior Construction, long lifespan, high concentration of LEDs/m Supported by Xicato Bluetooth® Mesh Control portfolio

XFL SKU Builder / Ordering Part Number

Model Number is built as follows: XFL-AA-BBCC-DDD-EE-FFGG (applicable to all order codes listed below)

The orderable Xicato part numbers are built as follows:

Spools: XFL-AA-BBCC-DDDEE-FFGG-HHHHH

Custom Tape: XFT-AA-BBCC-DDDEE-FFGG

XFL	HD	24	3.0	700	22	22	95	SP005
	HD	24		700	22		95	
Product	Collection	Voltage	Watts/foot*	LEDs/meter	IP Rating	CCT	CRI	Spool Length (m)**
XFL (Spools)			3.0			22 = 2200		5
XFT (Custom)			4.4			25 = 2500		10
			5.0			27 = 2700		30.5
			6.6			30 = 3000		Blank*** (XFT Custom tape)
						35 = 3500		
						40 = 4000		
						50 = 5000		

* 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 the specific custom configuration for LED tape and soldered lead wires. The detailed configuration description will be provided with the quote and order confirmation

XFT Custom Tape Options

Contact your Xicato Sales representative to define and order your specific custom configuration

LED Tape

	LED Tape Cut to Length
Length	Min: 3" Max: Max run length (page 4) Available in increments of cuttable length (page 4)

Input Lead Wire

	20 AWG UL2464 Lead Wire Only	20 AWG UL2464 Lead Wire Terminated with Female Barrel Connector
Length	Min: 3" Max: 96" Available in 1" increments	48" fixed length of lead wire
Jacket Color	Black or White	

Optional Output Lead Wire

	20 AWG UL2464 Lead Wire Only	20 AWG UL2464 Lead Wire Terminated with Male Barrel Connector
Length	Min: 3" Max: 96" Available in 1" increments	48" fixed length of lead wire
Jacket Color	Black or White	

Specifications

Common properties across all SKUs

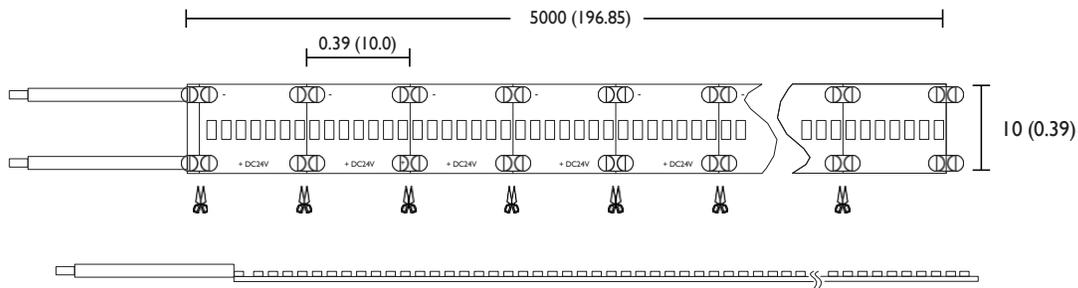
Color	Beam Angle	CRI	Voltage	IP Rating	Minimum Cuttable Length	LEDs/m	Profile	Standard Spool Length m (ft)	Operating Temperature	Storage Temperature
W	120°	95	24VDC	22	10mm (0.39")	700	10mm (0.39")	5 (16.4) 10 (32.8) 30.5 (98.4)	-20°C to 60°C	-20~ +70°C

Model No.	CCT	Efficacy (lm/W)	Flux lm/ft (lm/m)	Watts/m (W/ft)	Max Run Length m (ft)
XFL-HD-243.0-70022-2295	2200	62	188 (617)	9.84 (3)	4.5 (14.8)
XFL-HD-243.0-70022-2595	2500	59	178 (585)		
XFL-HD-243.0-70022-2795	2700	60	180 (591)		
XFL-HD-243.0-70022-3095	3000	65	197 (648)		
XFL-HD-243.0-70022-3595	3500	66	200 (657)		
XFL-HD-243.0-70022-4095	4000	67	203 (666)		
XFL-HD-243.0-70022-5095	5000	67	203 (666)		
XFL-HD-244.4-70022-2295	2200	63	280 (919)	14.43 (4.4)	3.5 (11.5)
XFL-HD-244.4-70022-2595	2500	64	284 (932)		
XFL-HD-244.4-70022-2795	2700	65	287 (942)		
XFL-HD-244.4-70022-3095	3000	71	314 (1032)		
XFL-HD-244.4-70022-3595	3500	72	318 (1046)		
XFL-HD-244.4-70022-4095	4000	73	323 (1061)		
XFL-HD-244.4-70022-5095	5000	73	323 (1061)		
XFL-HD-245.0-70022-2295	2200	62	311 (1023)	16.4 (5)	3 (9.8)
XFL-HD-245.0-70022-2595	2500	63	315 (1036)		
XFL-HD-245.0-70022-2795	2700	63	319 (1048)		
XFL-HD-245.0-70022-3095	3000	70	350 (1150)		
XFL-HD-245.0-70022-3595	3500	71	354 (1164)		
XFL-HD-245.0-70022-4095	4000	72	359 (1181)		
XFL-HD-245.0-70022-5095	5000	72	359 (1181)		
XFL-HD-246.6-70022-2295	2200	62	412 (1353)	21.65 (6.6)	2.5 (8.2)
XFL-HD-246.6-70022-2595	2500	63	418 (1373)		
XFL-HD-246.6-70022-2795	2700	64	423 (1388)		
XFL-HD-246.6-70022-3095	3000	70	463 (1520)		
XFL-HD-246.6-70022-3595	3500	71	469 (1541)		
XFL-HD-246.6-70022-4095	4000	72	476 (1563)		
XFL-HD-246.6-70022-5095	5000	72	476 (1563)		

Note:

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%.

Profile Drawing



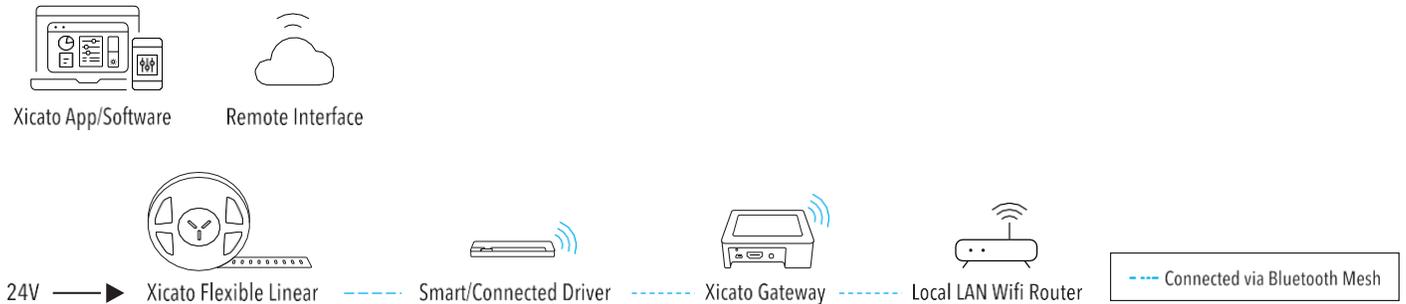
Units: mm (inches)
Note: Tolerance ± 0.5 mm

Max Bending Radius: $R_{min} = 20$ mm



Xicato Controls and Integration

The XFL Portfolio is part of Xicato's comprehensive end-to-end systems, energizing environments through brilliant lighting and Smart Controls.



Connectors

For a complete list of connectors, please visit xicato.com/xfl.

Aluminum Channels

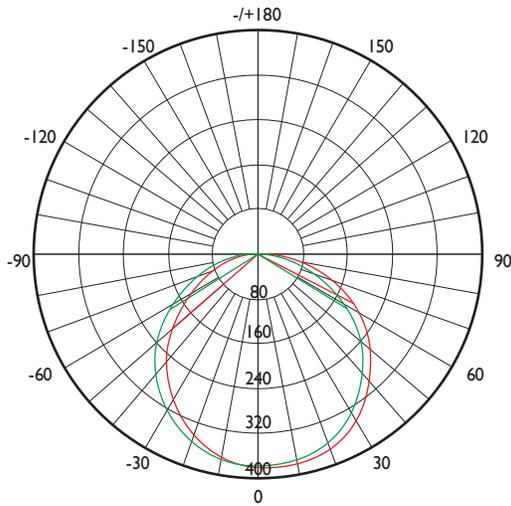
For a complete list of commonly used profiles with this product, please visit xicato.com/xfl.

Installation

Affix with 3M self adhesive tape. 3M tape is included with XFL.

Visit xicato.com/support to download XFL Flexible Linear LED Installation Instructions for Dry Location Linear Lighting.

Polar Luminous Intensity Diagram



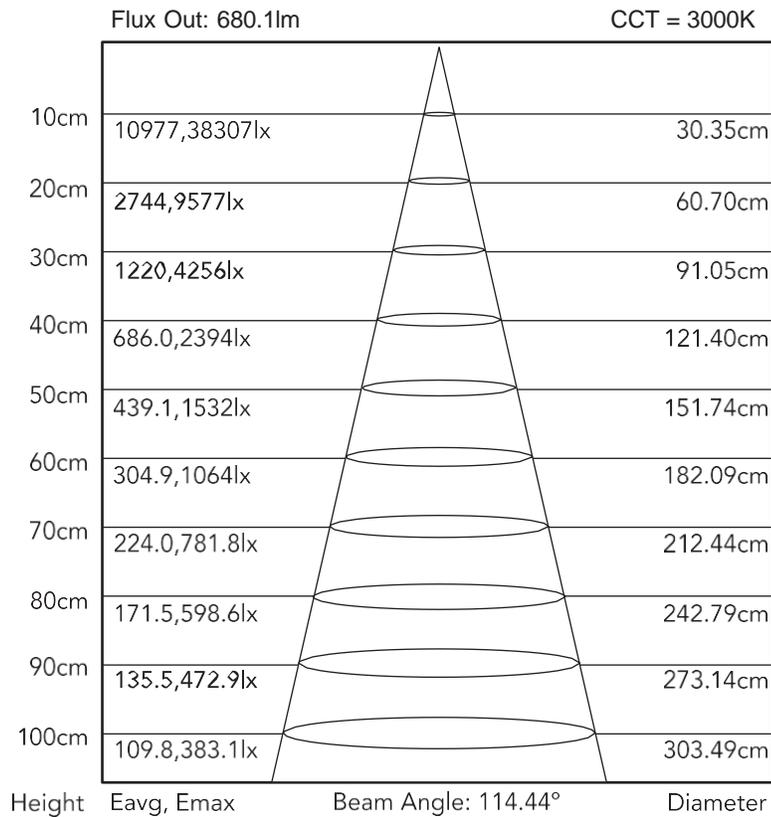
AVERAGE BEAM ANGLE(50%): 114.4°

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.

Warning

1. This product should be installed and serviced in accordance with local and national electrical code regulations by a qualified, licensed electrician. If you are unclear as to how to install and wire this product, contact a qualified professional.
2. Tape light should only be powered by a UL Listed Class 2 DC 24V power supply.
3. Always disconnect the power supply before cutting or connecting tape light. Never attempt any work before shutting off the electricity.
4. Do not exceed maximum tape light run length. Series connections must be within the maximum run length.
5. LED tape light is designed to be cut at designated cut points only. Cutting anywhere other than the cut points will result in damage to the tape light.
6. Do not stare directly into LED lights when illuminated.
7. Do not power LED tape while coiled on reel.
8. Adhere tape to a clean, dry mounting surface free of oils, silicones and dirt particles. If surface is electrically conductive, isolation between soldering points and mounting surface is necessary.
9. Do not install LED tape in a location with direct exposure to the sun or where the ambient temperature is outside the listed temperature range of the product.
10. Prior to installation, verify all components (LED tape, driver, control, & accessories) are compatible. Configure and pre-test your LED system prior to installation to ensure all components are operating correctly.
11. Unused product should be properly placed and stored in an anti static bag.
12. Failure to follow safety warnings, and installation instructions will void the warranty for this product.

Customer Acknowledgment

Xicato, Inc. stands behind its products when they are used in accordance with our specifications. When purchasing Xicato products, the customer agrees and acknowledges that design, configuration and installation are complex processes not managed by Xicato, and minor changes or errors in layout and in-field adjustments may have a significant impact. Choosing correct components is critical. Xicato will work with the original purchaser to make product selections to the extent of the limited information that the customer provides, but Xicato cannot design a system that anticipates all unknown factors. For this reason, our Warranty does not cover problems caused by improper design, configuration or installation issues. Xicato strongly recommends that licensed professionals be used in the design and installation of any lighting systems with Xicato products. The specifications include important information that should be reviewed and followed.

Please read our full Terms and Conditions to understand what is covered by Xicato's official warranty.

Regulatory Information

Electrical Safety & Handling

CE IEC 62031:2008

UL UL 8750 Cert E499492

Model XFL-UD-24-22-X

Type XFL-HD-24aa-bb22-Xcc-dd

Warranty

Warranty Duration 10 year





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For the most up-to-date data sheet, please visit xicato.com/support.

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