

XFL Flexible Linear

COB Tunable White

Dot-Free Tunable White

COB Technology enables dot-free seamless linear lighting and eliminates LED pixelation. Uniform lighting with tunable CCT range from 2700K to 6500K provides perfect lighting for any time of the day. Can be installed anywhere with strong 3M adhesive and even without channel extrusion.

Features/Benefits

- **COB Technology** enables dot-free seamless linear lighting, eliminating hot spots and LED pixelation
- **Uniform Line of Light** that can be installed anywhere with strong 3M adhesive and even without channel extrusion.
- **Wide CCT Range** - From 2700K to 6500K allows flexible coverage to meet different needs of the day.
- **24V DC Input** - Compatible with any constant voltage 2-channel driver for easy operation.
- **Smart Control Ready** - Utilize with Xicato Xmesh to enable automated dynamic CCT tuning.
- **Available in Spools or Custom Tape** – Order as 5m spools (XFL) or custom finished tape (XFT) cut to length with soldered lead wires.

Applications

Superior Illumination for:

- Hospitality and Restaurants
- Retail and Department Stores
- Museums and Galleries
- Smart Buildings and Connected Spaces
- Corporate and Office Lighting for Circadian Health
- Schools and Education Facilities
- Medical Clinics and Facilities
- High-end Residential



RoHS



ORDERING LOGIC

Model	Voltage	Watts/Ft*	LED/meter	IP Rating	CCT	CRI	Spool
XFL-CTW COB TW	24 24V	4.3 4.3W/ft	608 608 LED/m	20 IP 20 Rated	27/65 2700K to 6500K	90 90CRI	SP005 5m**
XFT-CTW Custom Cut							BLANK XFT***

Spools Example: XFL-CTW-244.3-60820-27/6590-SP005

Custom Tape Example: XFT-CTW-244.3-60820-27/6590

* 1 Watt/foot = 3.28 Watts/meter

** 5m Spool Length = 16.4 feet

*** This field is left blank for XFT order codes. Contact 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 26.3mm (1.04")

Max Run 4m

Increment Cuttable to Increments of min length

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 WW+CW	IP Rating IP 20	Standard Spool 5 m (16.4 ft)
Beam Angle 135°	LEDs/meter 608	Operating Temp. -20°C to 60°C
CRI ≥ 90	Min Cuttable Length 26.3 mm (1.04")	Storage Temp. -20°C to +70°C
Input Voltage 24 VDC	Profile Width 10 mm (0.39")	Input Wire 20 AWG UL2464

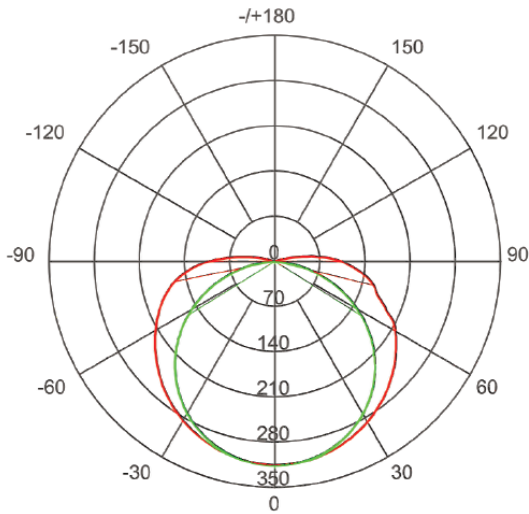
TYPICAL PERFORMANCE

Model	CCT	W/m	W/ft	lm/m	lm/ft	lm/W	Max Run (m)	Max Run (ft)
XFL-CTW-244.3-60820-27/6590	2700K	7	2.13	560	170.7	80	4	13.12
	6500K	7	2.13	700	213.3	100	4	13.12
	WW + CW	14	4.26	1260	384.0	90	4	13.12

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%): 135.6°

Unit: cd

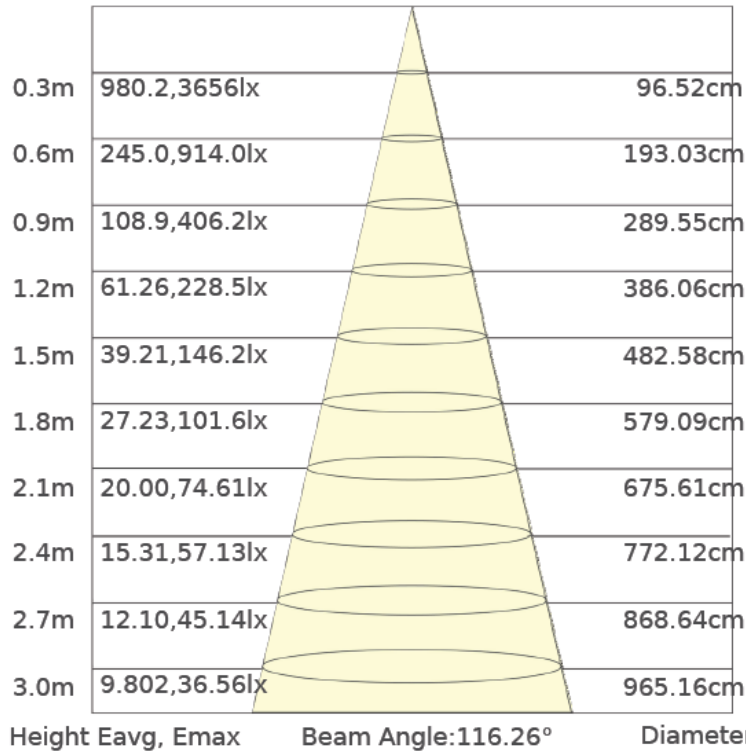
— C0/180,155.0°

— C90/270,116.2°

ILLUMINANCE CONE DIAGRAM

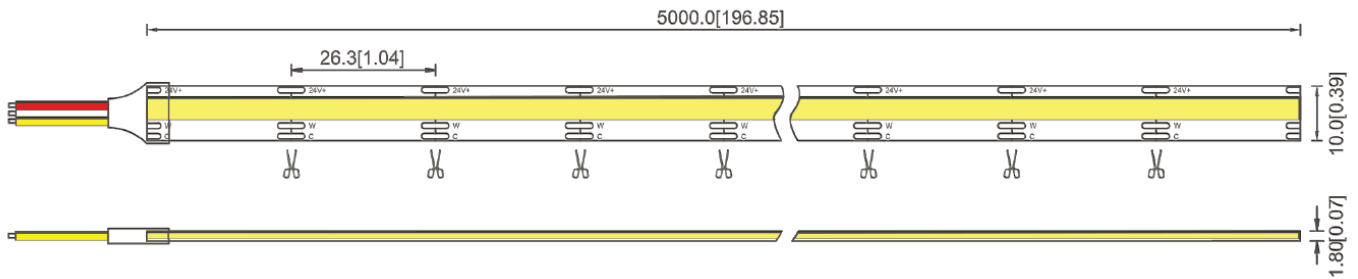
Flux Out: 767.6lm

CCT=2700+6500K



Note: Above figures generated from a 2ft sample at CCT of WW+CW (2700+6500K)

PROFILE DRAWINGS



Units: mm [inches]

MINIMUM BENDING RADIUS

$R_{min} = 30 \text{ mm}$

Do not exceed minimum bend radius.
Exceeding will damage PCB traces.



XICATO XMESH CONTROL AND INTEGRATION

The XFL Portfolio is part of Xicato Xmesh, Xicato's own comprehensive end-to-end systems, energizing environments through brilliant lighting and smart controls.



Xicato App/Software



Remote Interface



24V —>

Xicato Flexible Linear



Smart/Connected Driver



Xicato Gateway

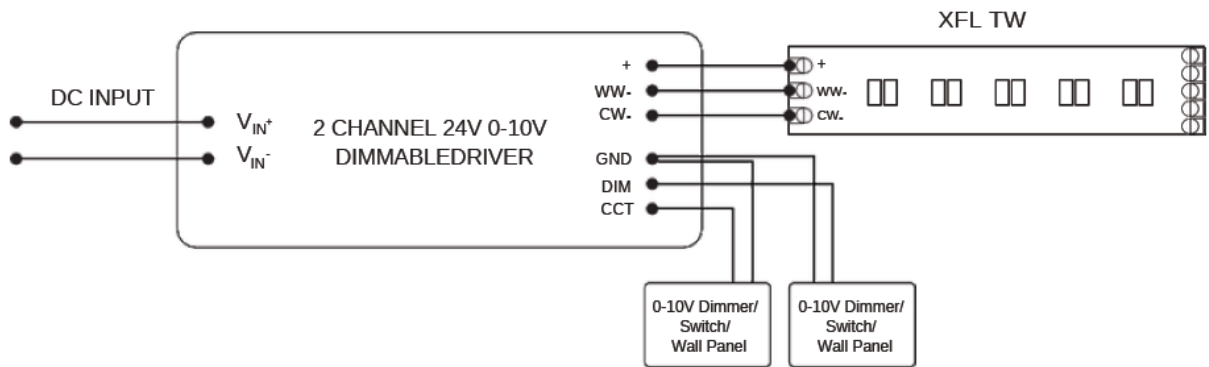


Local LAN Wifi Router

Connected via Bluetooth Mesh

WIRING DIAGRAM

0-10V 2-CH



RECOMMENDED CHANNELS

MICRO SERIES

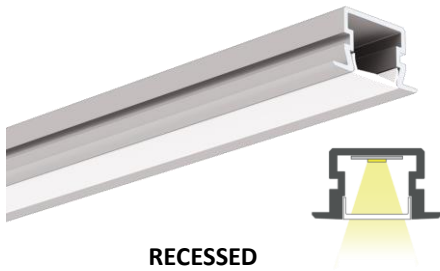


RECESSED
XCC-C-MC-MICRONK

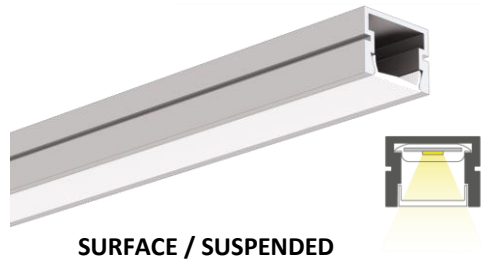


SURFACE / SUSPENDED
XCC-C-MC-MICPLUS

SQUARE SERIES

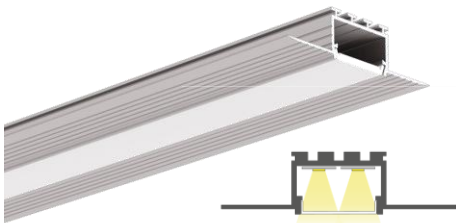


RECESSED
XCC-C-SQ-PDSNK

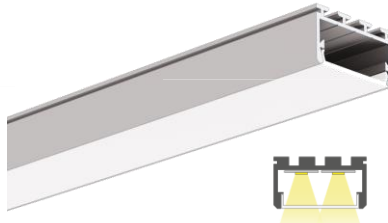


SURFACE / SUSPENDED
XCC-C-SQ-PDS4PLUS

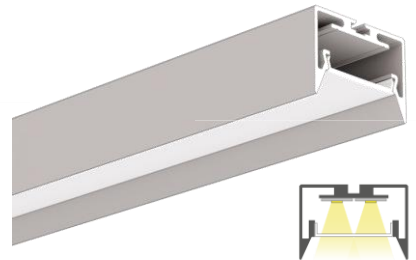
RECTANGLE SERIES



MUD-IN RECESSED
XCC-C-RT-KOZUS

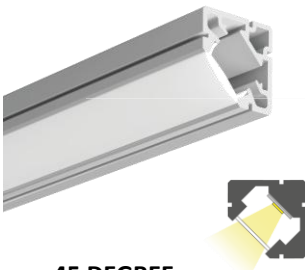


SURFACE
XCC-C-RT-GIZALL

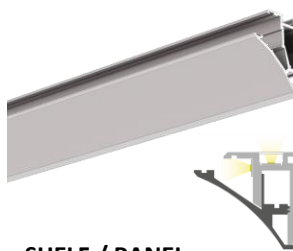


SUSPENDED
XCC-C-RT-GIZALLZMG

SPECIALTY SERIES



45 DEGREE
XCC-C-SP-45PLUS



SHELF / PANEL
XCC-C-SP-PULA



COVE / PERIMETER
XCC-C-SP-NISANI

RECOMMENDED ENDCAPS AND MOUNTS

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	✓	

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 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

SPECIALTY SERIES

Model	Type	Finish	XCC-C-SP-45PLUS	XCC-C-SP-NISANI	XCC-C-SP-PULA
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-E-SP-PULA-MT-LEFT	Left End Cap	Metallic			✓
XCC-E-SP-PULA-MT-RIGHT	Right End Cap	Metallic			✓
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	HCC-L-LIGER22-ST	HCC-L-LIGER22-BK
XCC-C-RT-GIZALL		XCC-L-HS22-FR	XCC-L-HS22-CL	HCC-L-LIGER22-ST	HCC-L-LIGER22-BK
XCC-C-RT-GIZALLZMG		XCC-L-HS22-FR	XCC-L-HS22-CL	HCC-L-LIGER22-ST	HCC-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-PULA		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 CTW			
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

5

YEAR WARRANTY

Limited Product Warranty

What is Covered

Xicato warrants the XFL product against defects in materials and workmanship for 5 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 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.