

XFL Flexible Linear

COB RGBW

Dot-Free RGBW

COB Technology enables dot-free seamless dynamic lighting with saturated colors, hues and white light at 4000K. Can be mounted anywhere with strong 3M adhesive and even without channel extrusion.

Features/Benefits

- **COB RGBW** enables dot-free seamless linear lighting, eliminating hot spots and LED pixelation
- **Dynamic Illumination** allows creative color lighting effects with rich saturated colors, hues, and 4000K white light
- **Uniform Line of Light** that can be mounted anywhere with strong 3M adhesive and even without extrusion
- **Excellent Heat Dissipation** – Install anywhere without fear of overheating
- **Standard 24VDC Input** eases installation and driver compatibility with standard 4-ch constant current driver
- **Smart Control Ready** - Utilize with Xicato Xmesh to enable automated dynamic color tuning.

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

	<u>Model</u>	<u>Voltage</u>	<u>Watts/Ft*</u>	<u>LED/meter</u>	<u>IP Rating</u>	<u>CCT</u>	<u>CRI</u>	<u>Spool</u>
XFL-CRGBW	COB RGBW	24 24V	4.9 4.9W/ft	896 896 LED/m	20 IP 20 Rated	40 4000K	90 90CRI	SP005 5m**
XFT-CRGBW	Custom Cut							BLANK XFT***

Spools Example: XFL-CRGBW-244.9-89620-4090-SP005

Custom Tape Example: XFT-CRGBW-244.9-89620-4090

* 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 62.5mm (2.46")

Max Length 5m (16.5')

Increment Increments of cuttable 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 RGBW	IP Rating IP 20	Standard Spool 5 m (16.4 ft)
Beam Angle 135°	LEDs/meter 896	Operating Temp. -20°C to 60°C
CRI ≥ 90	Min Cuttable Length 62.5 mm (2.46")	Storage Temp. -20°C to +70°C
Input Voltage 24 VDC	Profile Width 12 mm (0.47")	Input Wire 20 AWG UL2464

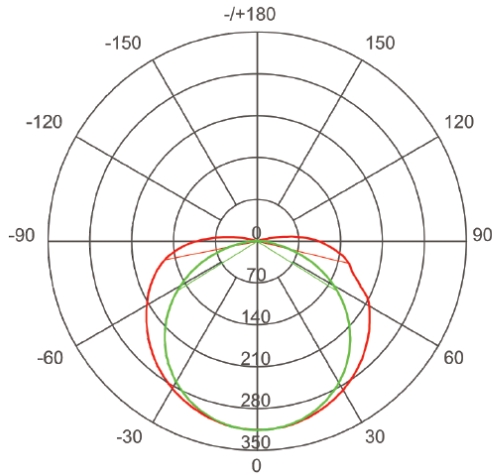
TYPICAL PERFORMANCE

Model	CCT	W/m	W/ft	lm/m	lm/ft	lm/W	Max Run (m)	Max Run (ft)
XFL-CRGBW-244.9-89620-4090	Red (620-630nm)	4	1.22	72	21.9	18	5	16.4
	Green (520-530nm)	4	1.22	408	124.4	102	5	16.4
	Blue (460-470nm)	4	1.22	60	18.3	15	5	16.4
	White (4000K)	4	1.22	320	97.5	80	5	16.4
	RGB+W	16	4.88	850	259.1	53	5	16.4

Notes:

1. Test environment temperature : 25±2°C.
2. Values above represent typical performance.
3. Luminous flux is for each color.
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



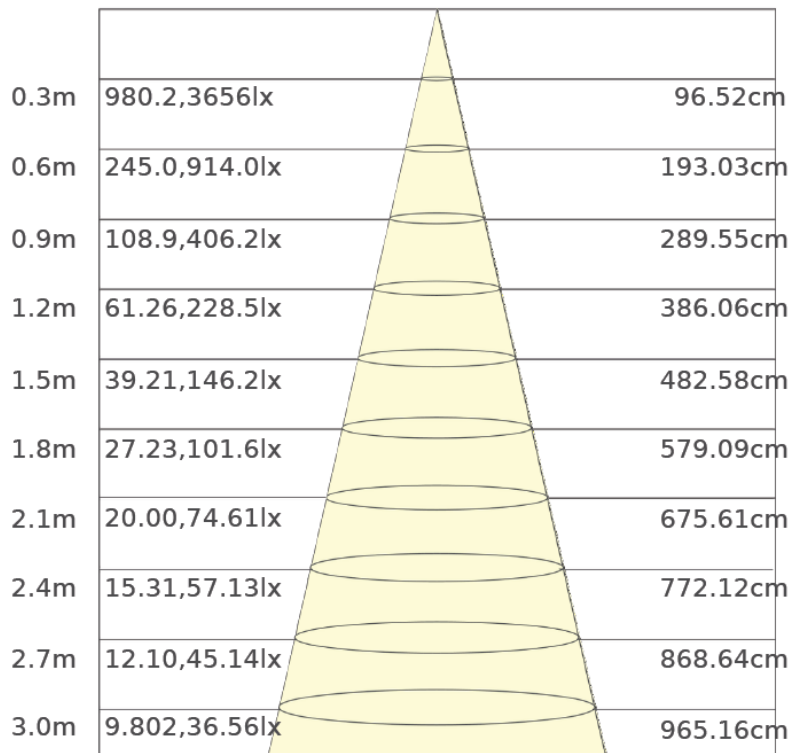
AVERAGE BEAM ANGLE(50%): 135.6°

Unit: cd

— C0/180,155.0°
— C90/270,116.2°

ILLUMINANCE CONE DIAGRAM

Flux Out: 767.6lm



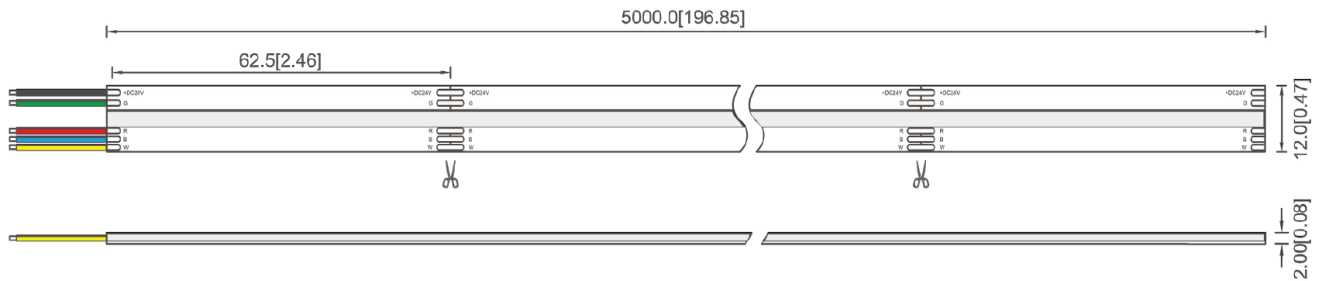
Height Eavg, Emax

Beam Angle:116.26°

Diameter

Note: Above 2 figures generated by measuring 4000K sample.

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 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

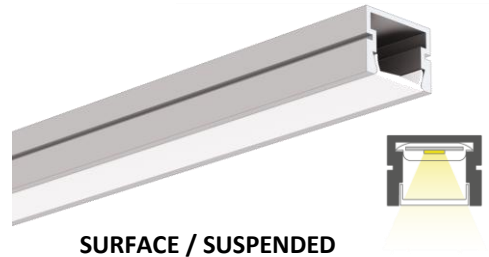


Local LAN Wifi Router

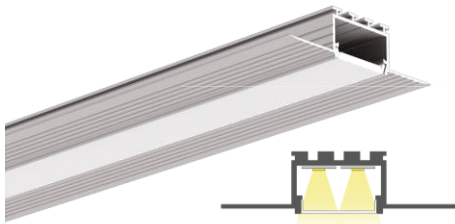
Connected via Bluetooth Mesh

RECOMMENDED CHANNELS**SQUARE SERIES**

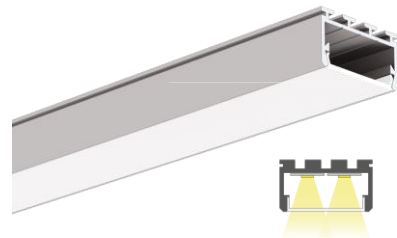
RECESSED
XCC-C-SQ-PDSNK



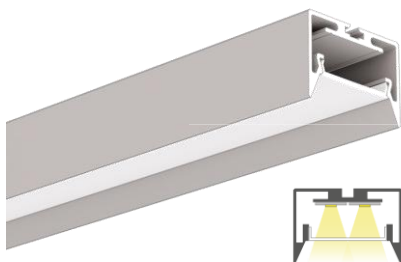
SURFACE / SUSPENDED
XCC-C-SQ-PDS4PLUS

RECTANGLE SERIES

MUD-IN RECESSED
XCC-C-RT-KOZUS



SURFACE
XCC-C-RT-GIZALL



SUSPENDED
XCC-C-RT-GIZALLZMG

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	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

RECOMMENDED POWER SUPPLIES

XFL CRGBW			
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	✓

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.