

XFL Flexible Linear

DMX-Enabled RGBW

Native DMX Support

Designed with integrated DMX support, XFL-DRGBW turns the tape itself into the DMX endpoint while simplifying installation and unlocks the versatility and true potential of RGBW lighting.

Features/Benefits

- **DMX Enabled**– Built-in DMX support separates power and control for simplified wiring and installation
- **Upgrade Existing Systems** – Adds RGBW lighting into any existing DMX systems
- **Standard 24V DC Input** – Compatible with a wide range of Class 2 power supplies for easy installation.
- **Advanced Circuit Design** – Advanced on-board circuitry for optimal compatibility with any 4-channel driver
- **Flexible Delivery Formats** – Order as spools (XFL) or custom-cut with tape with lead wires (XFT).

Applications

Superior Illumination for:

- Restaurants, Bars, and Hospitality
- Hotels and Resorts
- Bars, Lounges, and Ballrooms
- Entertainment Venues
- Conference Event Spaces
- Gaming and Casinos
- High-end Residential



RoHS



ORDERING LOGIC

Model	Voltage	Watts/Ft*	LEDs/meter	IP Rating	CCT	CRI	Spool
XFL-DRGBW DMX Enabled RGBW	24 24V	6.0 6.0W/ft	60 60 LEDs/m	22 IP 22 Rated	40 4000K	80 80 CRI	SP005 5m**
XFT-DW Custom Tape							Blank*** XFT***

Spools Example: XFL-DRGBW-246.0-6022-4080-SP005

Custom Tape Example: XFL-DRGBW-246.0-6022-4080

* 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 100mm (3.94")

Max Length 4.5m

Increment Cuttable to Increments of 100 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 Red, Blue, Green, White	IP Rating IP 22	Standard Spool m (ft) 5(16.4)
Beam Angle 135°	LEDs/meter 60	Operating Temp. -20°C to +60°C
CRI 80	Min Cuttable Length 100 mm (3.94")	Storage Temp. -20°C to +70°C
Input Voltage 24 VDC	Profile Width 12 mm (0.47")	Input Wire 20 AWG UL2464

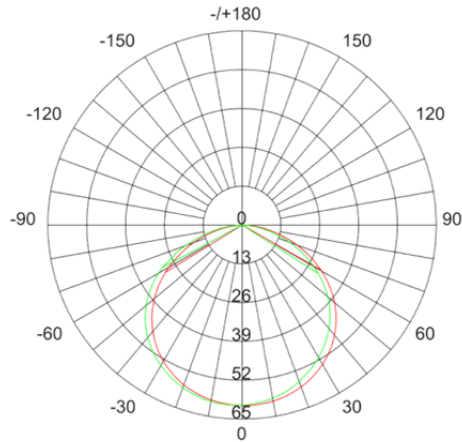
TYPICAL PERFORMANCE

Model	Light Color	CCT / Wavelength	Power		Flux Output		Efficacy	Max Run	
			W/m	W/ft	lm/m	lm/ft		m	ft
XFL-DRGBW-246.0-6022-27/6580	Red	615-630nm	6.72	2.05	105	32.0	15.5	4.5	14.7
	Green	515-530nm	6.72	2.05	238	72.5	35.5		
	Blue	460-470nm	6.72	2.05	58	17.7	8.6		
	White	2700K-6500K	6.72	2.05	269-403	82-123	40-60		
	RGB+W	-	19.68	6.00	590-885	180-270	30-45		

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



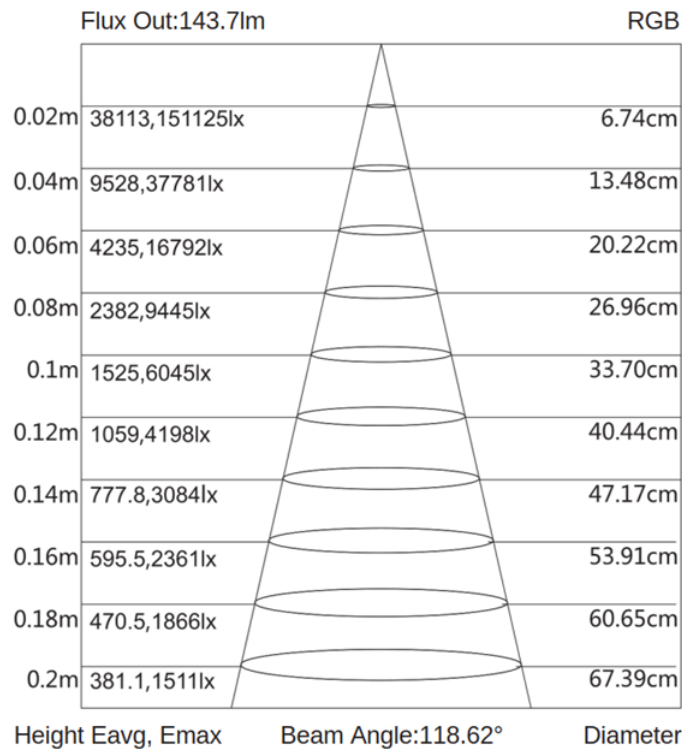
AVERAGE BEAM ANGLE(50%): 119.1°

Unit: cd

— C0/180,118.6°

— C90/270,119.5°

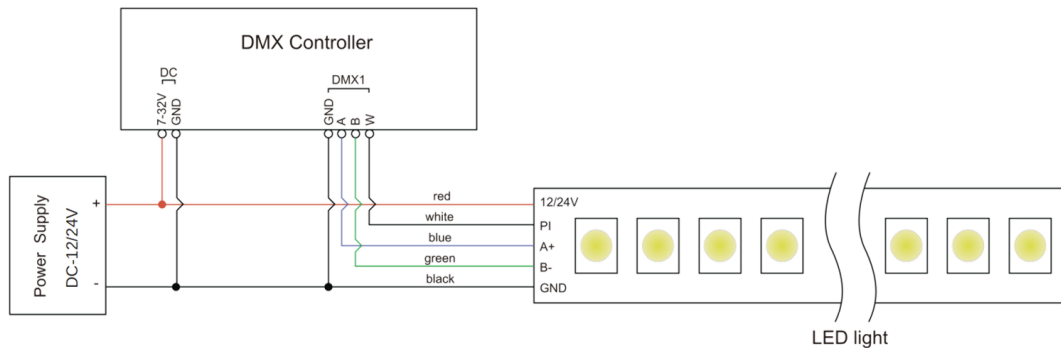
ILLUMINANCE CONE DIAGRAM



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance. Measurements at 100% intensity

WIRING DIAGRAM

Controller Wiring Diagram

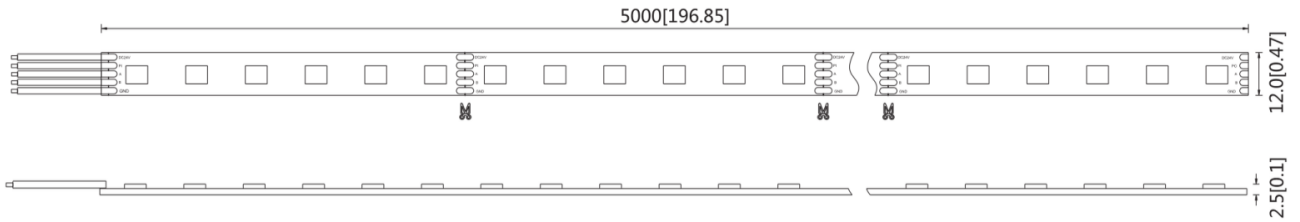


No.	Controller port	Definition	Wire color	LED product port
1	GND	Negative (-)	Black	GND
2	A	Data A	Blue	A+
3	B	Data B	Green	B-
4	W	Address wire	White	PI
5	7-32V	Positive (+)	Red	+12/24V

Note

1. Refer to the figure above for wiring;
2. If the controller has AB bus coding support, then it is possible to disconnect the white wire (PI);
3. If the controller port is different from the sample, please consult the engineer for details;
4. This kind of product has two working voltage options;

PROFILE DRAWINGS



Units: mm [inches]

MINIMUM BENDING RADIUS

$R_{min} = 20 \text{ mm}$

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



XICATO XMESH CONTROL AND INTEGRATION

The XFL Portfolio is part of Xicato's 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

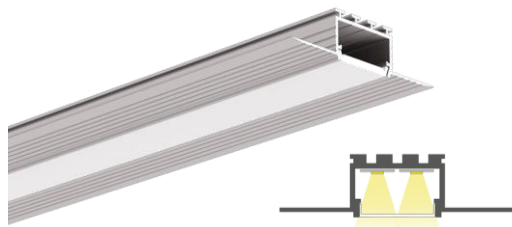
Connected via Bluetooth Mesh

RECOMMENDED CHANNELS**SQUARE SERIES**

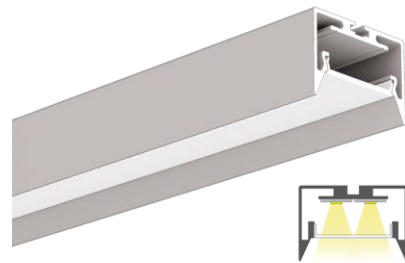
RECESSED
XCC-C-SQ-PDSNK



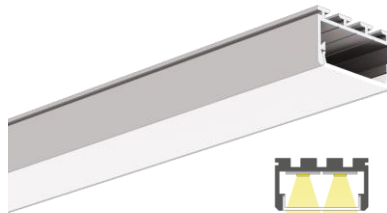
SURFACE / SUSPENDED
XCC-C-SQ-PDS4PLUS

RECTANGLE SERIES

MUD-IN RECESSED
XCC-C-RT-KOZUS



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 DRGBW			
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

3

YEAR WARRANTY

Limited Product Warranty

What is Covered

Xicato warrants the XFL product against defects in materials and workmanship for 3 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.