specialtyLED®
commercial & decorative lighting

The RFX WET series is an economical, versatile solution for your LED linear exterior lighting needs. specialtyLED offers two (2) LED options to further help fulfill your lighting requirements – SMD3528 standard output and SMD5050 high output version. Both are extremely flexible and low profile. The RFX WET is completely encapsulated in a durable IP67 rated silicon housing.

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____

Features

- Available in several bright LED color options such as blue, green, red, purple, yellow and white
- Extremely flexible, bends and twists in almost any direction
- Rated for outdoor use
- Slim design allows installation in small and tight areas without being visible
- 18 LEDs per foot provide bight illumination
- Available in 12VDC and 24VDC
- Sold in 16' rolls that include a factory installed 6" lead
- Dimmable with either a magnetic or electronic dimming driver
- Field cut every 2" for SMD3528 or every 4" for SMD5050
- Evaluated in accordance with the parameters outlined and reported by LM-79
- 5 year warranty

Technical Specifications

- 2 wire, single color, outdoor LED ribbon flex
- Voltage: 12VDC and 24VDC
- IP Rating: IP67
- Dimensions: 0.398" wide, 0.168" high (SMD3528) and 0.473" wide, 0.157" high (SMD5050)
- Operating distance: Up to a 50' run on a single power supply
- Viewing angle: 120°
- Evaluated in accordance with the parameters outlined and reported by LM-79 (SMD3528 - all colors, SMD5050 pure white and warm white)

Product Specifications

- LED specs:
  - Rated life: 50,000 hours
  - Cutting increments: 2" for the SMD 3528 and 4" for the SMD5050
  - 18 LEDs per foot
- Available in a warm white (3500K), pure white (5000K), yellow, red, green, blue and purple
- Roll length: 16' standard. Custom order 50' are also available consult factory
- Mounting: 8, ½ silicone mounting clips with pre-drilled screw holes provided with each roll (hardware not provided)
- Operating temperature: -32°F - 86°F (0°C - 30°C)
- Storage temperature: -40°F - 176°F (-40°C - 80°C)

Warranty

Any component that fails due to a manufacturing defect is guaranteed for five years. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full specialtyLED warranty document for detailed information. (Terms and conditions apply)

10810022 Rev 4

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Ordering Information Example: RFX-WW-16-12V-5050

Series	Color		Length	Voltage[3]	Location	LED Selection
RFX	WW[1] = Warm White (3500K)	R = Red	16 = 16 Feet	12V[4] = 12 Volt DC (Std)	WET = Outdoor	3528 = SMD3528
	WP[1] = Pure White (5000K)	G = Green	50[2] = 50 Feet	24V = 24 Volt DC		5050 = SMD5050
	WKC = White Custom Kelvin	B = Blue			**Notes**	
		P = Purple			[1] Color temperatures can vary ±5%	
		Y = Yellow			[2] Custom 50' rolls only done on 3528 white kelvin colors	
					[3] Requires transformer, ordered separately	
NOTICE: Field cutting RFX-WET product requires waterproofing kit (RFX-WET-KIT)					[4] Longer lead times required for 12V product	

Technical Information

Color	Voltage	SMD3528 LEDs					SMD5050 LEDs				
		Rated Power (W/ft)	Lumens (lm/ft)	Efficacy (lm/W)	CRI	CCT	Rated Power (W/ft)	Lumens (lm/ft)	Efficacy (lm/W)	CRI	CCT
Warm White	12 or 24VDC	2.25	70.72	32.74	66.50	3500K	5.56	250.49	48.26	63.00	3500K
Pure White	12 or 24VDC	2.25	72.89	32.83	74.90	5000K	5.56	219.55	41.50	66.10	5000K
Red	12 or 24VDC	2.25	37.00	16.44	-	-	-	-	-	-	-
Green	12 or 24VDC	2.25	73.00	32.44	-	-	-	-	-	-	-
Blue	12 or 24VDC	2.25	45.00	20.00	-	-	-	-	-	-	-
Yellow	12 or 24VDC	2.25	37.00	16.44	-	-	-	-	-	-	-
Purple	12 or 24VDC	2.25	37.00	16.44	-	-	-	-	-	-	-

12VDC Non-Dimming Transformer Ordering Information (Order As Separate Line Item)
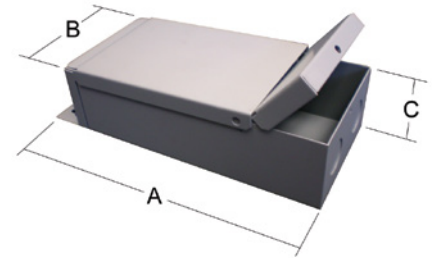
Example: XFMR-12-60

Part Number	Description	Dimensions (AxBxC)
XFMR-12-20	12 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-12-35	12 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-12-60	12 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-12-150	12 Volt, 150 Watt, Class 2 Power Supply	8.74" x 2.67" x 1.52"

12VDC Dimming Transformer Ordering Information (Order As Separate Line Item)

Example: XFMR-DIM-12-60

Part Number	Description	Dimensions (AxBxC)
XFMR-DIM-12-20	12 Volt, 20 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-12-40	12 Volt, 40 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-12-60	12 Volt, 60 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-12-96	12 Volt, 96 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-12-120	12 Volt, 120 Watt, Class 2 Power Supply	14" x 8" x 5"
XFMR-DIM-12-180	12 Volt, 180 Watt, Class 2 Power Supply	14" x 8" x 5"
XFMR-DIM-12-240	12 Volt, 240 Watt, Class 2 Power Supply	14" x 8" x 5"

24VDC Non-Dimming Transformer Ordering Information (Order As Separate Line Item)
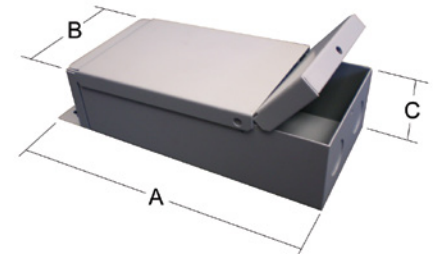
Example: XFMR-24-60

Part Number	Description	Dimensions (AxBxC)
XFMR-24-20	24 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-24-35	24 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-24-60	24 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-24-150	24 Volt, 150 Watt, Class 2 Power Supply	8.74" x 2.67" x 1.52"

24VDC Dimming Transformer Ordering Information (Order As Separate Line Item)
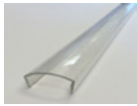
Example: XFMR-DIM-24-60

Part Number	Description	Dimensions (AxBxC)
XFMR-DIM-24-20	24 Volt, 20 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-40	24 Volt, 40 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-60	24 Volt, 60 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-96	24 Volt, 96 Watt, Class 2 Power Supply	8.5" x 3.5" x 3"
XFMR-DIM-24-192	24 Volt, 192 Watt, Class 2 Power Supply	14" x 8" x 5"
XFMR-DIM-24-288	24 Volt, 288 Watt, Class 2 Power Supply	14" x 8" x 5"

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NOTE: All transformers are to be installed per NEC requirements. Wire leads on the 24 volt product are 18 gauge. Transformer is to be mounted within 10 feet of product. If transformer is mounted more than 10 feet from product, voltage drop and maximum operating distances should be taken into account when making transformer selection. Dimming transformer does not include dimming controller.

Accessories (Order As Separate Line Item)

Part Number	Image	Description
RFX-CSS-3528		SMD3528 strip to strip connector. *Strip to strip connections for a continuous run.*
RFX-CSS-5050		SMD5050 strip to strip connector. *Strip to strip connections for a continuous run.*
RFX-CSP-3528		SMD3528 strip to power connector. S*trip to power connection.*
RFX-CSP-5050		SMD5050 strip to power connector. *Strip to power connection.*
RFX-CSS-3528-FLEX		SMD3528 strip to strip connector with 2" wire spacer. *For strip to strip connections where corners or bends are needed.*
RFX-CSS-5050-FLEX		SMD5050 strip to strip connector with 2" wire spacer. *For strip to strip connections where corners or bends are needed.*
RFX-BASE and RFX-AL-LCH		Polycarbonate base, clear - 48" long, 0.87" wide, 0.62" high. Can be used with the indoor or (WET) outdoor product. Aluminum base 48"x.87"x.62" high
RFX-CAP and RFX-FROSTED-CAP		Polycarbonate cap, clear - 48" long, used in conjunction with the RFX-BASE. Can be used with indoor or (WET) outdoor product. Polycarbonate cap frosted.
RFX-LCH-1102		Aluminum extrusion with milky white polycarbonate cover and end caps 48" L x .63" W x .24" H.
RFX-LCH-1604		Aluminum extrusion with opaque cap and end caps 39.3"L x .79" W x 1.06" H.
RFX-LCH-ENDCAP		Plastic end cap for the RFX-BASE and RFX-CAP accessories.
RFX-WET-KIT-3528 or RFX-WET-KIT-5050		Outdoor water proofing and accessory kit. Includes 5 end caps, 5 power feed caps, 6 mounting clips and 2 tubes of silicone glue.

Typical Accessories For 24V Installation

• RFX LED Ribbon Flex (RFX-WW-16-24V-WET-3528)
• Transformer (XFMR-24-60)
• Optional accessory strip to strip connector(RFX-CSS-3528)
• Optional accessory polycarbonate base (RFX-AL-BASE)
• Optional accessory polycarbonate cap (RFX-CAP)
• Weatherproofing kit (RFX-WET-KIT-3528)

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