



WHY JUST BE GREEN WHEN YOU CAN BE COLORFUL?

The Micro Flex combines state of the art technology with a flexible, durable housing to create bright uniform illumination, even around corners. Having the smallest profile of the flexible border tube family, it allows for greater flexibility and smaller cutting increment. Its small size, supple structure and uniform luminance make it ideal for finer detailed work including signage and architectural features.

FEATURES

- Available in amber, red, blue, green and several color temperatures of white
- 22 LEDs per foot provide bright, uniform illumination
- Utilizes SMD3014 LEDs
- Indoor and outdoor rated, fully submersible
- Flexible PVC housing can conform to almost any angle, virtually unbreakable
- Slim design is 0.35" wide, allowing an impressive bending diameter of 3.5"
- Uses first-class eco-friendly UV & flame resistant PVC material
- Environmentally friendly and energy saving compared to traditional neon lighting
- Easy custom on-site configuration, easy installation can be cut and reconnected (connection accessories available)
- Meets or exceeds standards for UL2108 for low voltage lighting systems
- 3 year warranty

TECHNICAL SPECIFICATION

- 2 wire, single color, flexible border tubing
- Voltage: 24VDC
- Frequency: 60Hz
- IP rating: IP68 (joints must be properly sealed to achieve rating)
- Dimensions: 0.35" wide, 0.7" high
- Operating distance: 80' (when power is supplied at both ends)
- Beam angle: 160°

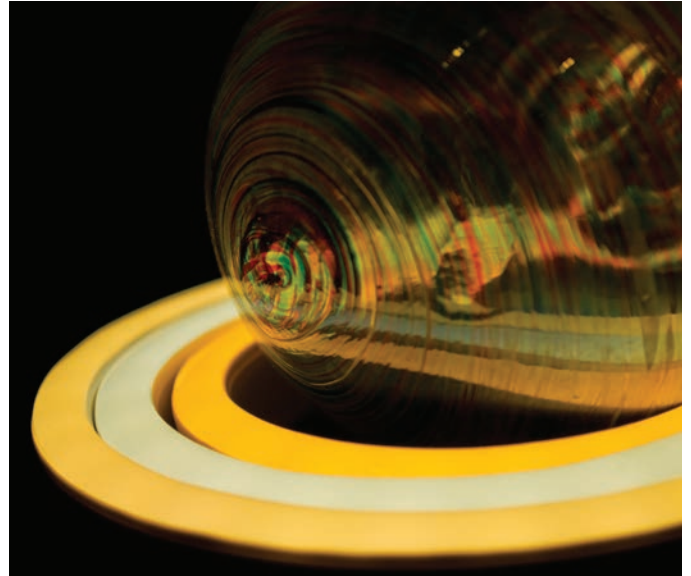
PRODUCT SPECIFICATIONS

- LED specs:
 - Rated life: 50,000 hours
 - 22 LEDs per foot
 - 0.547" distance between LEDs
- Available in warm white (2700K), pure white (3500K), cool white (4500K), daylight white (5700K), amber, red, green and blue
- Construction: Flexible, shatterproof, cool to touch, UV inhibited, PVC housing
- Roll length: 80' rolls
- Mounting: 2" mounting clips (MF-MC) or mounting channels available in standard (MF-LCH) or locking model (MF-LCH-L)
- Dimming: Dimming capable to 10% and compatible with most low voltage (24V) magnetic dimmers
- Operating temperature: 32°F - 113°F (0°C - 45°C)
- Storage temperature: -4°F - 113°F (-20°C - 45°C)
- 3 year warranty, does not apply to damages caused by improper installation, abuse, fire or acts of God

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

MICRO FLEX

MICRO LED FLEXIBLE BORDER TUBE



APPLICATIONS

- Commercial and architectural lighting and illumination
- Landscaping
- Bridge
- Sculpture outline
- Building contour
- Advertising board
- Illuminating decoration



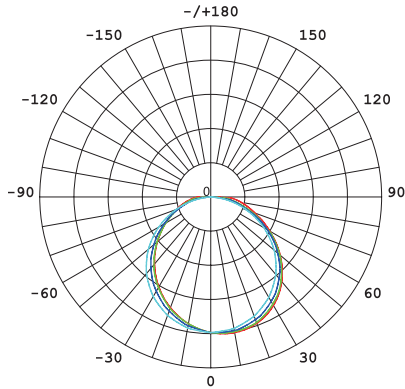
For the complete line of specialtyLED® products, visit us online at barronltg.com.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

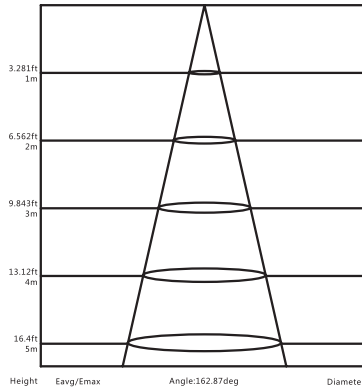
TECHNICAL / ILLUMINATION INFORMATION

Color	Voltage	Rated Power W/ft	MIN cutting increment	CCT or Wavelength	Lumens lm/ft
Warm White	24VDC	1.52	6 LEDs / 3.27"	2700K	> 36.6
Pure White	24VDC	1.52	6 LEDs / 3.27"	3500K	> 36.6
Cool White	24VDC	1.52	6 LEDs / 3.27"	4500K	> 36.6
Daylight White	24VDC	1.52	6 LEDs / 3.27"	5700K	> 36.6
Amber	24VDC	1.06	9 LEDs / 5"	590-595nm	>3.6
Red	24VDC	1.06	9 LEDs / 5"	620-630nm	>3.6
Green	24VDC	1.52	6 LEDs / 3.27"	520-530nm	>15.2
Blue	24VDC	1.52	6 LEDs / 3.27"	460-470nm	>3

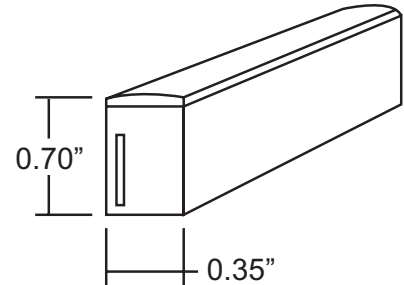
CANDLE POWER DISTRIBUTION



ILLUMINANCE CHARACTERISTICS



DIMENSIONS



ORDERING INFORMATION

Example: MF-WW-80-24V

Series	Color		Length	Voltage ³
MF	A = Amber	WW ¹ = Warm White (2700K)	80 = 80 Feet	24V = 24 Volt DC
	R = Red	WP ¹ = Pure White (3500K)	XX ² = Custom Length	
	G = Green	WC ¹ = Cool White (4500K)		
	B = Blue	WD ¹ = Daylight White (5700K)		

Notes

- ¹ Color temperatures can vary ±5%
- ² Custom lengths ordered specific to product cutting increments
- ³ Requires transformer, ordered separately

24VDC NON-DIMMING TRANSFORMER ORDERING INFORMATION (ORDER AS SEPARATE LINE ITEM)

Example: XFMR-24-60

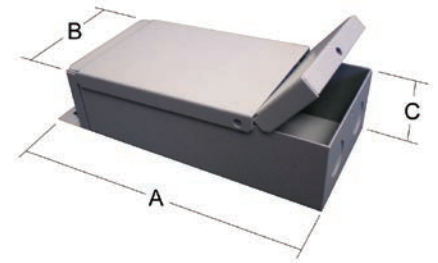
Part Number	Description	Dimensions (AxBxC)
XFMR-24-20	24 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-24-35	24 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-24-60	24 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-24-150	24 Volt, 150 Watt, Class 2 Power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



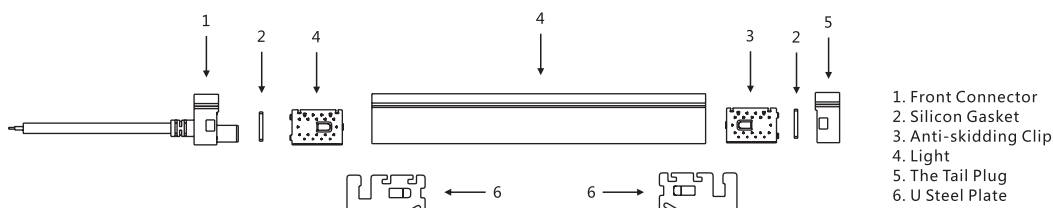
Note: All transformers are to be installed per NEC requirements. Wire leads on the 24 volt product are 18 gauge. Transformer is to be mounted within 10 feet of product. If transformer is mounted more than 10 feet from product, voltage drop and maximum operating distances should be taken into account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

ACCESSORIES (ORDER AS SEPARATE LINE ITEM)

Part Number	Description	Part Number	Description
MF-LCH	 Linear Channel (3.2' L x 13/16" H x 11/16" W)	MF-SP	 FBT splice connector/seamless middle connector
MF-LCH-L	 Locking Linear Channel	MF-L	 **for use with CCT-2700K-5700K product only** L seamless connector. <i>Requires the use of MF-SP accessories for each corner</i>
MF-MC	 2" Mounting Clip	MF-T	 **for use with CCT 2700K-5700K product only** T seamless connector. <i>Requires the use of MF-SP accessories for each corner</i>
MF-LC	 Line Cord connector assembly	MF-X	 **for use with CCT 2700K-5700K product only** X seamless connector. <i>Requires the use of MF-SP accessories for each corner</i>
MF-EC	 End Cap connector assembly	MF-GR	 Gripper tool allows a seamless and weather tight connection when using the middle connector

TYPICAL ACCESSORIES FOR 24V INSTALLATION

- MF Flexible Border Tube (MF-WW-40-24V)
- Linear Channel (MF-LCH) AND/OR Mounting Clips (MF-MC)
- End Cap assembly (MF-EC)
- Front connector assembly (MF-LC)
- Transformer (XFMR-24-150)



MF-LC includes part 1, 2, 4 and 6

MF-EC includes part 2, 3, 5 and 6



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