

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. This product is custom made to order with lengths already assembled and ready for connection to drivers.

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
- Meets or exceeds standards for UL2108 for low voltage lighting systems
- 3 year warranty

Technical Specifications

- 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: 65' (when power is supplied at both ends)
- Beam angle: 160°

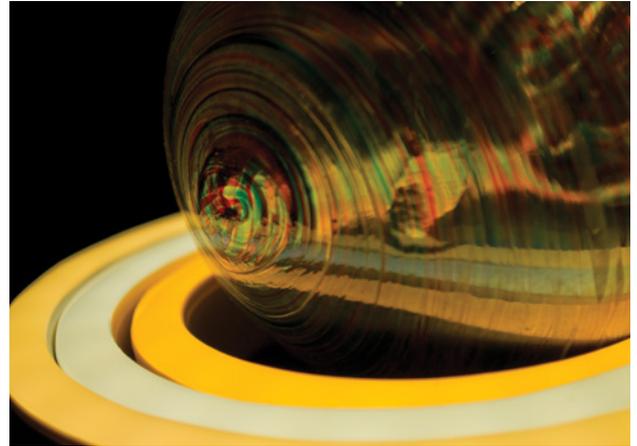
Product Specifications

- 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
- Maximum roll length: 65'
- 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 (sold separately)
- Operating temperature: -13°F to 140°F (-20°C to 60°C)

Warranty

Any component that fails due to a manufacturing defect is guaranteed for three 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)

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



APPLICATIONS

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



Ordering Information (Example: MF-WW-80-24V)

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

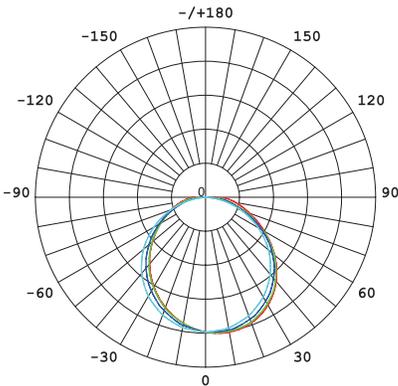
Notes

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

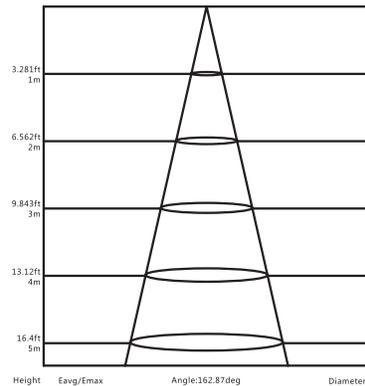
TECHNICAL / ILLUMINATION INFORMATION

Color	Voltage	Rated Power W/ft	MIN cutting increment	CCT or Wavelength	Lumens lm/ft
Warm White	24VDC	1.37	6 LEDs / 3.28"	2700K	> 36.6
Pure White	24VDC	1.37	6 LEDs / 3.28"	3500K	> 36.6
Cool White	24VDC	1.37	6 LEDs / 3.28"	4500K	> 36.6
Daylight White	24VDC	1.37	6 LEDs / 3.28"	5700K	> 36.6
Amber	24VDC	1.07	9 LEDs / 4.92"	585-595nm	>15.24
Red	24VDC	1.07	9 LEDs / 4.92"	620-630nm	>13.72
Green	24VDC	1.37	6 LEDs / 3.28"	520-530nm	>24.38
Blue	24VDC	1.37	6 LEDs / 3.28"	465-475nm	>4.57

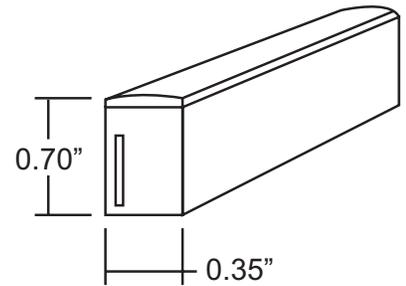
CANDLE POWER DISTRIBUTION



ILLUMINANCE CHARACTERISTICS



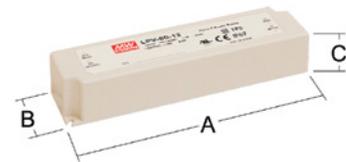
DIMENSIONS



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

Example: XFMR-24-60

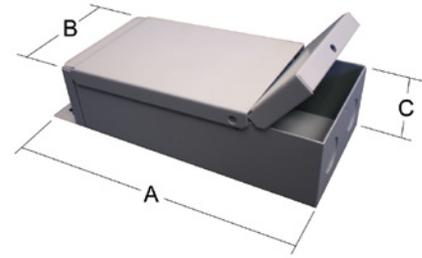
Part Number	Description	Dimensions (AxBxC)
XFMR-24-20	24 Volt, 20 Watt, Class 2 Power Supply	4.65" x 1.37" x 1.0"
XFMR-24-35	24 Volt, 35 Watt, Class 2 Power Supply	5.8" x 1.57" x 1.18"
XFMR-24-60	24 Volt, 60 Watt, Class 2 Power Supply	6.39" x 1.67" x 1.25"
XFMR-24-150	24 Volt, 150 Watt, Class 2 Power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



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

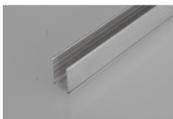
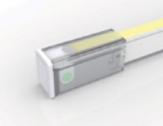
Example: XFMR-DIM-24-60

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-LCH-L	 Locking Linear Channel
MF-MC	 2" Mounting Clip	MF-LCR-24V	 Line cord connector straight assembly right power feed (IP65)
MF-LCL-24V	 Line cord connector straight assembly right power feed (IP65)	MF-EC	 End Cap Assembly (IP65)
MF-LCR-24V-F1M	 Seamless injection-molded line cord right end feed, factory installed (IP68) 3.28' Length F3M = 9.84' F5M = 16.40'	MF-LCL-24V-F1M	 Seamless injection-molded line cord Left end feed, factory installed (IP68) 3.28' Length F3M = 9.84' F5M = 16.40'
MF-LCRBE-24V-F1M	 Seamless injection-molded line cord Right Bottom feed, factory installed (IP68) 3.28' Length F3M = 9.84' F5M = 16.40'	MF-LCLBE-24V-F1M	 Seamless injection-molded line cord Left Bottom feed, factory installed (IP68) 3.28' length F3M = 9.84' F5M = 16.40'
MF-LCRSE-24V-F1M	 Seamless injection-molded line cord Right Side feed, factory installed (IP68) 3.28' Length F3M = 9.84' F5M = 16.40'	MF-LCLSE-24V-F1M	 Seamless injection-molded line cord Left Side feed, factory installed (IP68) 3.28' Length F3M = 9.84' F5M = 16.40'
MF-EC-F	 Seamless injection-molded end cap factory installed (IP68)	MF-SJ-24V-F1M	 Seamless injection-molded line cord jumper cable, factory installed (IP68) 3.28' Length

TYPICAL ACCESSORIES FOR 24V INSTALLATION

- | | |
|---|---|
| (1) MF Flexible Border Tube (MF-WW-65-24V) | (1) Left connector assembly (MF-LCL-24V) |
| (20) Linear Channel (MF-LCH) and/or (98) Mounting Clips (MF-MC) | (1) Right connector assembly (MF-LCR-24V) |
| | (2) Transformer (XFMR-24-150) |

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.