WHY JUST BE GREEN WHEN YOU CAN BE COLORFUL?

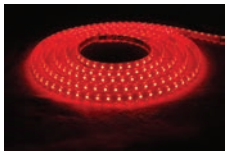
Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

SURF

LED RIBBON FLEX



PRODUCT DESCRIPTION

The RFX-SURF is an economical, commercial grade solution for your LED linear lighting needs. By providing optics within the Eco-friendly UV Resistant PVC housing, the SMD5050 LED's far exceeds the normal ribbon flex lumen level. Extremely flexible, bends twists and coils depending on your needs.

APPLICATIONS

- Borders
- Cove lighting
- Bridges
- Gazebos
- Roof lines
- Signage
- Accent lighting
- Marine
- Display Cases

FEATURES

- Energy efficient LEDs consume 3.6W/ft or less, saving up to 70% or more over traditional neon
- Indoor and outdoor rated
- Slim design allows installation in tight spaces without being visible
- Field cuttable every 4 inches

LED CHARACTERISTICS

- Nichia surface mount LEDs (18 LEDs/ft)
  - L70% Maintenance: 50,000 hours
- LEDs available in Warm White (2700K), Pure White (3500K), Cool White (4500K), Daylight White (5700K), Amber, Red, Blue and Green

ELECTRICAL

- Surf input voltage: 24VDC
- Constant current drivers available for 120-277VAC, 50/60Hz
- Operating Product Length: 65' when power is supplied to both ends
- Dimming: 0-10V, compatible with most low voltage (24VDC) magnetic drivers

PRODUCT SPECIFICATIONS

- 2 wire, single color, LED ribbon flex
- Roll Length: 65' (Maximum)
- Mounting: Clips or linear channel
- Dimensions: 0.63" wide, 0.24"high
- Viewing angle: 150°

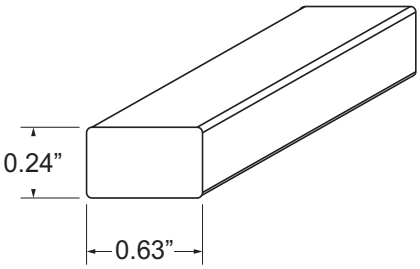
LISTINGS

- UL2108/IP68/LM-79/LM- 80/RoHS
- California Title 24 Compliant
- Operating temperature: -4°F – +113°F (-20°C - +45°C)

WARRANTY

- 3 Year Warranty (Terms and Conditions Apply)

DIMENSIONS



LM-80

BARRON specialtyLED® commercial & decorative lighting

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

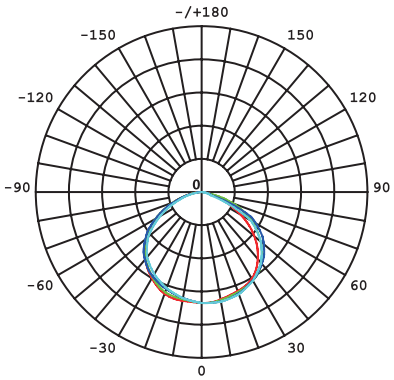
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

TECHNICAL / ILLUMINATION INFORMATION

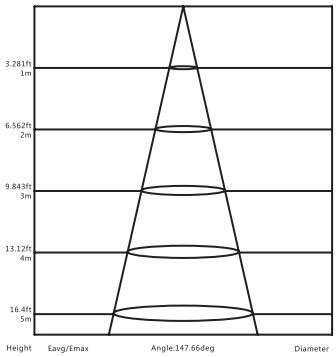
Color	Voltage	Rated Power W/ft	Cutting Increment	Max Run[1]	CCT or Wavelength	Lumens lm/ft
Warm White	24VDC	3.6	3.94"	65'	2700K	274
Pure White	24VDC	3.6	3.94"	65'	3500K	274
Cool White	24VDC	3.6	3.94"	65'	4500K	274
Daylight White	24VDC	3.6	3.94"	65'	5700K	274
Amber	24VDC	2.2	3.94"	65'	590 nm	67
Red	24VDC	2.2	6.57"	65'	620 nm	67
Green	24VDC	3.6	3.94""	65'	520 nm	168
Blue	24VDC	3.6	3.94"	65'	460 nm	34

[1] When unit has power supplied to both ends

CANDLE POWER DISTRIBUTION



ILLUMINANCE CHARACTERISTICS



ORDERING INFORMATION

Example: SURF-WW- 65-24V

Series	Color		Length	Voltage
SURF	WW[1] = Warm White (2700K)	A = Amber	65 = 65 Feet	24V[3] = 24 Volt DC
	WP[1] = Pure White (3500K)	R = Red	**XX**[2] = Custom Length	
	WC[1] = Cool White (4500K)	G = Green		
	WD[1] = Daylight White (5700K)	B = Blue		

Notes

[1] Color temperature 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)

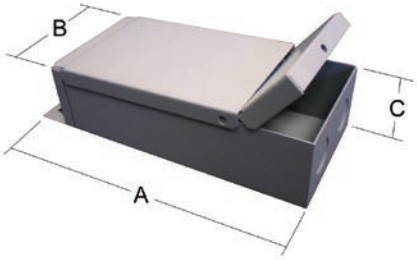
Example: XFMR-24-60

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)

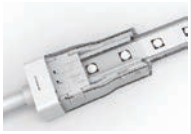
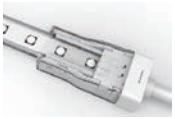
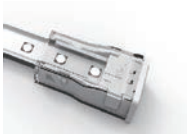
Example: XFMR-DIM-24-60

Part Number	Description	Enclosure 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 wall switch.

ACCESSORIES (ORDER AS SEPARATE LINE ITEM)

Part Number	Image	Description
SURF-LC-LEFT-24V		Line Cord connector assembly left power feed (IP65)
SURF-LC-RIGHT-24V		Line Cord connector assembly right power feed (IP65)
SURF-EC		End Cap connector assembly (IP65)
SURF-MC		Mounting Clip (2' L x 0.6875" W x 0.5" H)

Part Number	Image	Description
SURF-LC-FACTORY-24V		Seemless injection-molded line cord end feed, factory installed (IP68)
SURF-EC-FACTORY		Seemless injection-molded end cap, factory installed (IP68)
SURF-MLW		1.5' Jumper Cable from one end of the flex to another.
SURF-T		T seamless connector.
SURF-LCH		Aluminum Linear Channel (3.2' L x 0.6875" W x 0.5" H)

CUSTOM ORDERING EXAMPLE (W/O DIMMING, 40' RUN)

Qty 1 WAVE Flexible Border Tube (SURF-R-40-24V)
Qty 13 Linear Channel (SURF-LCH)
Qty 1 Line Cord connector assembly (SURF-LC-RIGHT-24V)
Qty 1 End cap connector assembly (SURF-EC)
Qty 1 Transformer (XFMR-24-150)