

DESCRIPTION

The 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 LEDs far exceeds the normal ribbon flex lumen level. Extremely flexible, bends twists and coils depending on your needs.

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 3.28" whites, blue and green; cuttable every 4.92" for red and amber

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) dimming 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°

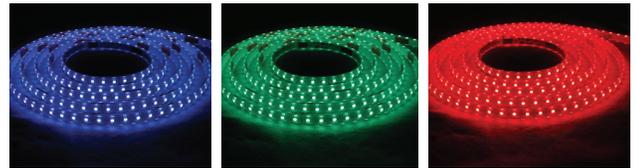
Listings

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

Warranty

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

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

Ordering Information (Example: SURF-WW-65-24V)

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

Notes

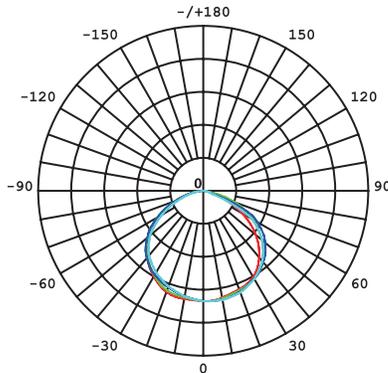
- ¹ Color temperature can vary ±5%
² Custom lengths ordered specific to product cutting increments
³ Requires transformer, ordered separately

TECHNICAL / ILLUMINATION INFORMATION

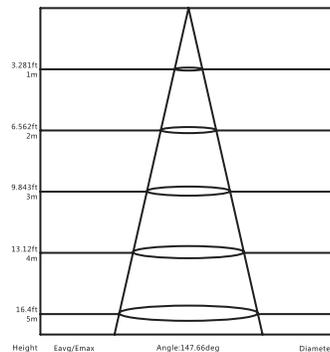
Color	Voltage	Rated Power W/ft	Cutting Increment	Max Run ¹	CCT or Wavelength	Lumens lm/ft
Warm White	24VDC	3.66	3.28"	65'	2700K	274
Pure White	24VDC	3.66	3.28"	65'	3500K	274
Cool White	24VDC	3.66	3.28"	65'	4500K	274
Daylight White	24VDC	3.66	3.28"	65'	5700K	274
Amber	24VDC	2.19	4.92"	65'	585-595 nm	67
Red	24VDC	2.44	4.92"	65'	620-630 nm	67
Green	24VDC	3.66	3.28"	65'	520-530 nm	168
Blue	24VDC	3.66	3.28"	65'	465-475 nm	34

¹ When unit has power supplied to both ends

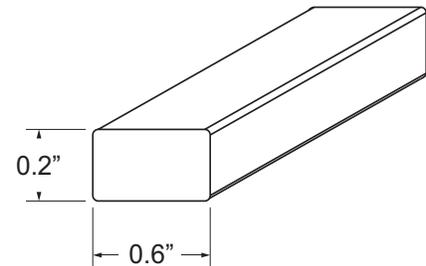
CANDLE POWER DISTRIBUTION



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)

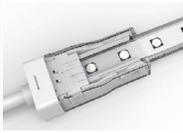
Example: XFMR-DIM-24-60

Part Number	Description	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-LCL-24V-SNAP		Line Cord connector assembly left power feed (IP65)
SURF-LCR-24V-SNAP		Line Cord connector assembly right power feed (IP65)
SURF-EC-SNAP		End Cap connector assembly (IP65)
SURF-MC		Mounting Clip (1.38\"L X 0.87\"W X 0.54\"H)

Part Number	Image	Description
SURF-LCR-24V-F1M		Seamless injection-molded line cord end feed, factory installed (IP68) 3.28\" Length F3M = 9.84' F5M = 16.40'
SURF-LCL-24V-F1M		Seamless injection-molded line cord end feed, factory installed (IP68) 3.28\" Length F3M = 9.84' F5M = 16.40'
SURF-EC-F		Seamless injection-molded end cap, factory installed (IP68)
SURF-SJ-24V-1FT		12\" Jumper cable from one end of the flex to another, factory molded
SURF-LCH		Aluminum Linear Channel (3.28' L x 0.87\"W x 0.54\"H)

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

- Qty 1 SURF Flexible Border Tube (SURF-R-40-24V)
- Qty 13 Linear Channel (SURF-LCH)
- Qty 1 Line Cord connector assembly (SURF-LCR-24V-F1M)
- Qty 1 Line Cord connector assembly (SURF-LCL-24V-F1M)
- Qty 2 Factory Molded Assembly
- Qty 2 Driver (XFMR-24-150)