

Lux Series LED Strip Lights

High Density Diffused LED Strips

Project _____

Date _____ Type _____



Description

High density diffused LED strip lights are designed for high lumen output requirements. High quality 90+ CRI light shows accurate colors. Weatherproof design is compatible with both indoor and outdoor applications.

Construction/Mechanical

- Flexible design for easy mounting
- IP67 rated

Electrical

- 24 VDC input
- PWM dimmable
- 16.4 ft (5 m) max run

Photometrics

- Unique diffused SMD design for seamless line of light
- Up to 118 lm/W
- 120° beam angle
- 90+ CRI

Available Versions

- STW-A27K90-C8L-10U5M-24V
- STW-A30K90-C8L-10U5M-24V
- STW-A40K90-C8L-10U5M-24V
- STW-A50K90-C8L-10U5M-24V

Accessories

- STW-EC10L-1 (end cap with wire hole)
- STW-EC10L (end cap)

Certifications

The strips UL 2108 (IFDR) and are listed for use in wet locations.



Warranty

5-year warranty

Applications

Some common applications include sign and display lighting, edge lighting, backlighting, theater lighting, retail lighting, and accent lighting for design and architectural applications.

SAMPLE PART NUMBER BREAKDOWN

STW-A27K90-C8L-10U5M-24V

FAMILY / CATEGORY / COLOR				LED TYPE / SEGMENT		IP RATING	SIZE / DENSITY / VOLTAGE			
STW	A	30K	90	C	8	L	10	U	5M	24V
Strip Type	Strip Type	Color/CCT	CRI	LED Type	LEDs/Segment	IP Rating	Strip Width ¹	Density	Length	Voltage
STW: Weatherproof	A: Single CCT	27K: 2700K 30K: 3000K 40K: 4000K 50K: 5000K	90: 90+ CRI	C: 2835	8: 8 LEDs/seg	L: IP67	10: 10 mm	U: 304 LEDs/m	5M: 16.4 ft (5 m)	24V: 24 V

¹Strip width on STW models will physically be an additional 3 mm wider due to water resistant coating.



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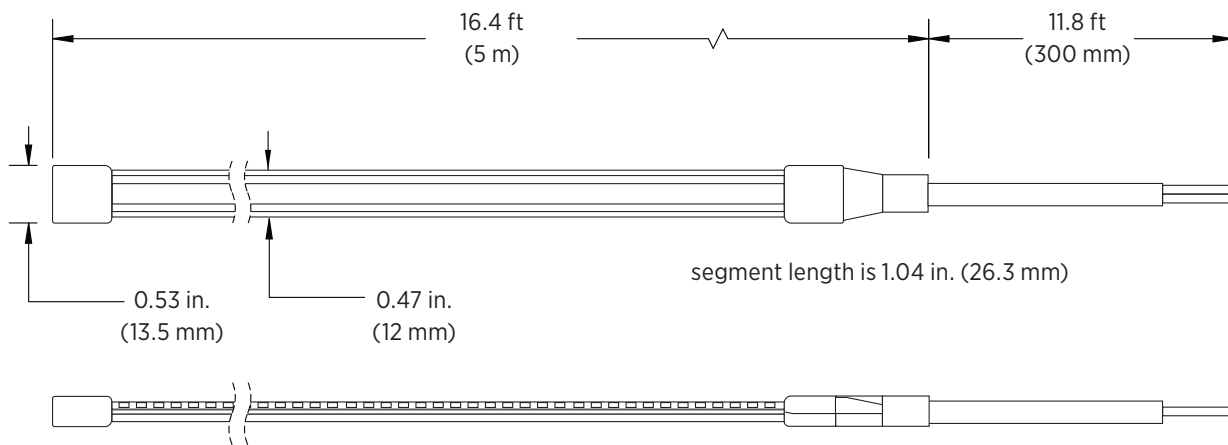
Specifications

Model	STW-AxK90-C8L-10U5M-24V
Voltage	24 VDC
Wattage	7.3 W/ft
Current Draw	305 mA/ft
Dimming	PWM
Max Run (Class 2)	11.5 ft (3.5 m)
LED Lifetime	50,000 hours
Intensity	777 lm/ft (2700K) / 820 lm/ft (3000K) / 863 lm/ft (4000K and 5000K)
CRI	90+
LED Density	92 LEDs/ft (304 LEDs/m)
Beam Angle	120°
Operating Temperature	-4°-113° F (-20°-45° C)
IP Rating	IP67

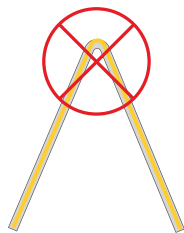
Dimensions

STW-AxK90-C8L-10U5M-24V

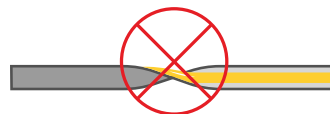
- 11.5 ft (3.5 m) max run



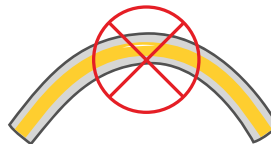
Strip Flexibility



Bending strips at sharp angles will damage circuit traces and void warranty.



Twisting strips will damage circuit traces and void warranty.



Bending strips on horizontal plane will damage circuit traces and void warranty.

