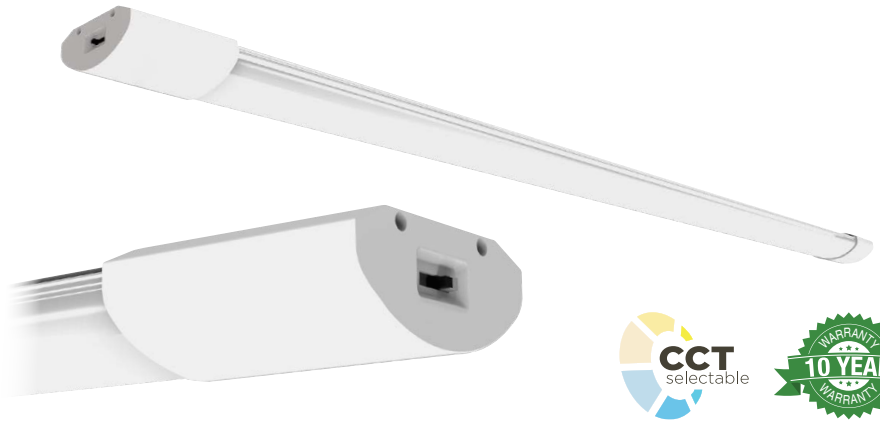
USLED
Always the Right Choice!

Project	Date

Catalog Number	Type

USL1

LED Linear Strip Light | Selectable CCT & Wattage



Product Performance Summary

Lumen Output	**Up to 6,106 lumens**
Efficacy	**Up to 152 LPW**
CRI	**≥ 80 CRI**
Available CCT	**Selectable CCT 3500K, 4000K & 5000K**
Warranty	**Ten-Year Warranty**

Product Overview

The USL1 LED linear strip light is a modern lighting solution that offers exceptional performance and ease of use. This versatile strip features selectable CCT and wattage switches, allowing you to choose the perfect lighting for any setting. Moreover, it can be specified with motion-sensing capabilities to support occupant well-being and optimize energy usage. Designed to deliver brilliant illumination and clarity, the USL1 is built to be installed easily in any location, so your new lighting is up and running in no time.

Key Features

- The compact linear design makes it easy to install virtually anywhere you need lighting.
- Choose the perfect CCT and wattage that suits the setting with integrated switches.
- Motion sensing capabilities allow it to turn on and off as needed, providing convenient and energy-efficient lighting. [2]
- Emergency back-up option available.

Electrical

- 120-277VAC input. 50/60Hz input.
- 0-10V dimming standard.
- Power factor: >0.98 and THD <20%.
- Operating temperature: -30°C to 40°C (-22°F to 104°F)

Mounting

- Ready to be suspended with adjustable cable or surface mounted with snap joints.

Construction

- Aluminum housing in a standard white finish that optimizes thermal management.
- Frosted acrylic diffuser designed for uniform light distribution, superior glare control, and improved aesthetics.
- End caps are high-impact injection molded PMMA material in a standard white finish.
- Standard 10’ white power cord.

Optics

- Selectable CCT switch with choices of 3500K, 4000K, and 5000K.
- Industry-leading LEDs with ≥80 CRI.
- Lumen Maintenance: >161,000 hours (L70) [1]

Warranty

- Backed by US LED’s industry-leading Ten-Year Warranty.

Product Applications

- Self-Storage Facilities
- Industrial/Warehouse
- Retail/Grocery
- Educational Facilities
- Office Spaces
- Hallways/Displays

Product Certifications

- ETL Listed for US & Canada
- Complies with UL1598 and CSA 22.2
- DLC Listed
- Suitable for Indoor Locations Only
- RoHS Compliant

Ordering Information

Example: USL1-4-UNV-SCCT

USL1			
Series	**Size**	**Input Voltage**	**CCT**
	4 4 ft. Model: 25W/35W/45W	**UNV** 120-277V	**SCCT** Selectable CCT: 3500K, 4000K, and 5000K

Accessories	
B	Battery Back-Up
BMS	Battery Back-Up & Motion Sensor (Dimming Photocell)
JB	Junction Box
JBMS	Junction Box & Motion Sensor
M	Internal Motion [2] Sensor (On/Off Only)
NL	External Motion [2] Sensor (On/Off Only)
30264	Adjustable Cable Kit (10 ft., 2 Qty.)

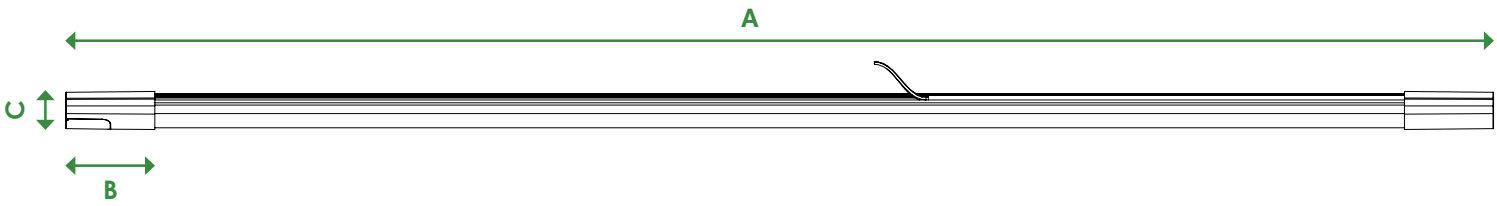
1. US LED product ‘Lifetimes’ refer only to the LED light engine, not the power source, and are based on the IESNA TM21 Projected Lumen Maintenance methodology at an ambient temperature of 25°C (77°F). The lifetimes are intended solely as a guide for expected LED degradation. They should not be considered a warranty or a predictor of their actual life, which can be affected by ambient temperatures and other factors. In accordance with IESNA TM-12-11, calculated values represent time durations that exceed six times the NA LM-80-08 total test duration (in hours) for the device under testing (DUT), i.e., the packaged LED chip.
2. Sensor Timeout: Factory set to a short duration (nominal 180 seconds ± 30 seconds, typical). Actual time may vary due to environmental and installation factors. Alternative timeouts are available to be programmed; please consult the factory for more information.

USL1

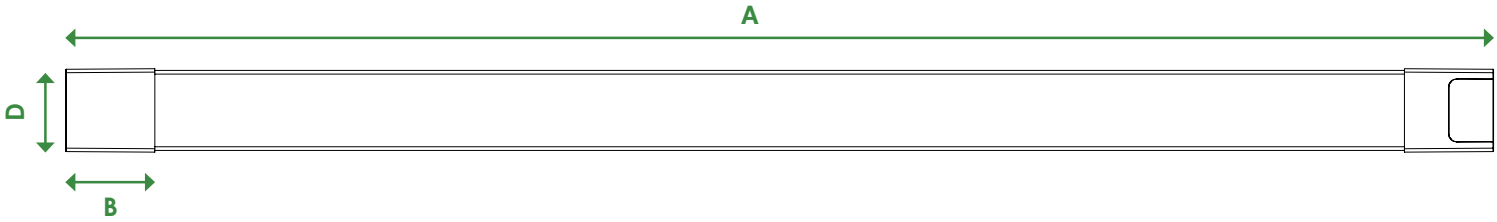
LED Linear Strip Light | Selectable Wattage & CCT

Dimensions

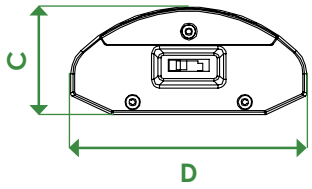
Standard Side View



Standard Bottom View

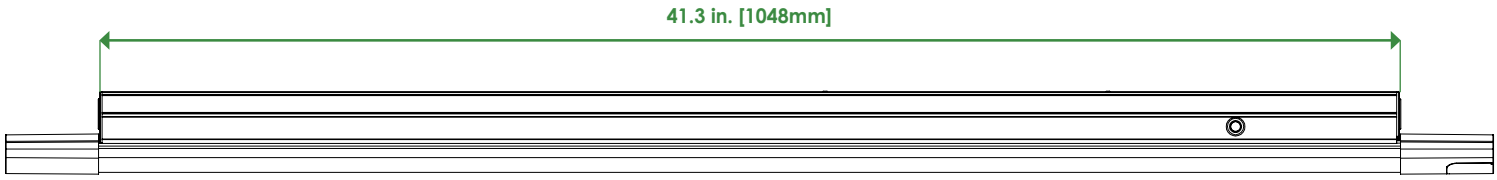


Standard End View

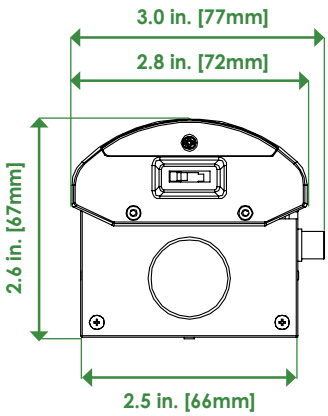


Size	A	B	C	D	Net Weight
4 ft.	47.2 in. [1200 mm]	2.9 in. [75mm]	1.3 in. [33mm}	2.8 in. [72mm}	2.0 lbs. (0.9kg)

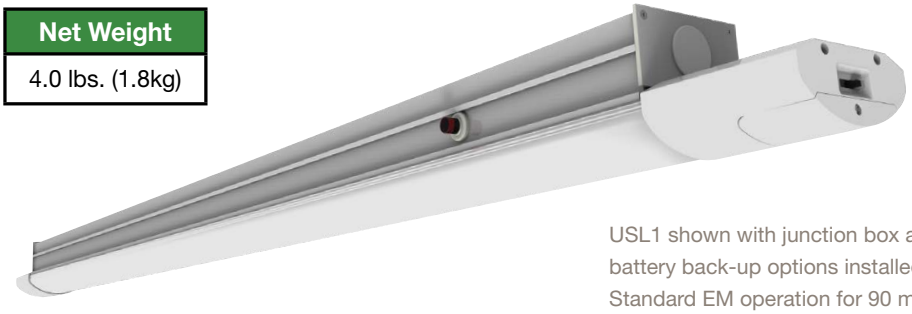
Battery Back-Up Side View



Battery Back-Up End View



Net Weight
4.0 lbs. (1.8kg)



USL1 shown with junction box and battery back-up options installed. Standard EM operation for 90 minutes.

- @3500K= 1470 lumens
- @4000K=1520 lumens
- @5000K =1460 lumens

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Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.

USL1

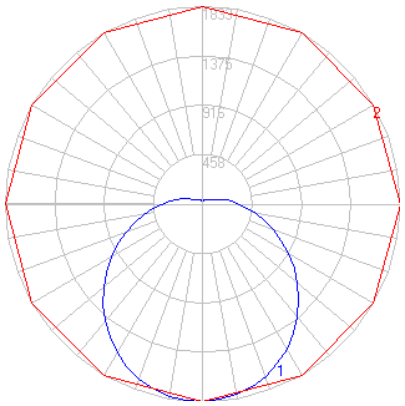
LED Linear Strip Light | Selectable Wattage & CCT

Performance Data

Luminaire Photometric Data

Model Number	**USL1-4-UNV-SCCT 45**
Issue Date	**12/17/2022**
IESNA	**LM-63-2002**
Lamp/CCT	**LED/5000K**
Total Input Watts	**45.3**
Total Lumens	**6106.4**
Efficacy	**134.8**

Luminous Intensity Distribution Diagram



Model	Wattage	System Level Power	Delivered Lumens	Efficacy	CCT	L70 Calculated Life
USL1-4-UNV-SCCT	**25W**	24.6W	3619.4	147.1 LPW	3500K	>161,000 Hours
		23.6W	3644.3	152.5 LPW	4000K	>161,000 Hours
		24.4W	3562.6	146.0 LPW	5000K	>161,000 Hours
	35W	35.4W	5044.6	142.5 LPW	3500K	>161,000 Hours
		34.7W	5244.3	151.1 LPW	4000K	>161,000 Hours
		36.0W	5062.9	140.6 LPW	5000K	>161,000 Hours
	45W	45.2W	6087.5	134.7 LPW	3500K	>161,000 Hours
		43.9W	6437.5	146.6 LPW	4000K	>161,000 Hours
		45.3W	6106.4	134.8 LPW	5000K	>161,000 Hours

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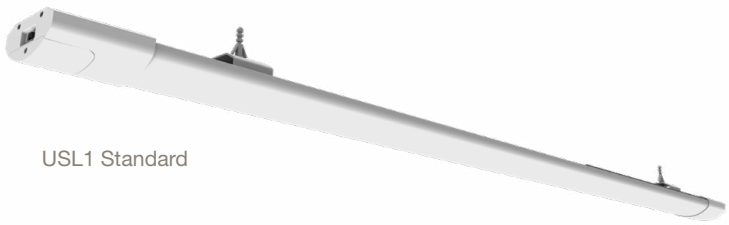
USL1

LED Linear Strip Light | Selectable Wattage & CCT

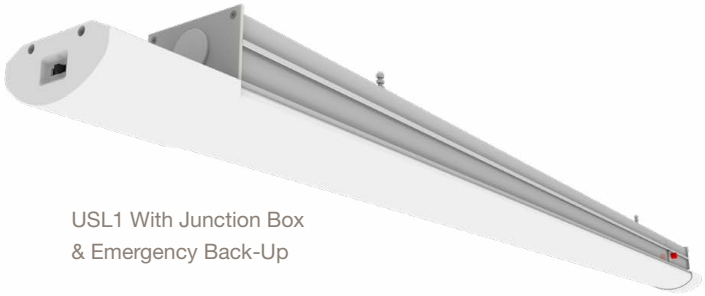
Mounting Options

Surface Mount With Snap Joints

USL1 Snap Joints (2 Qty.)



USL1 Standard



USL1 With Junction Box
& Emergency Back-Up

Suspended Mount With Adjustable Cables

[30264] - USL1 Adjustable Cables (2 Qty.)



USL1 Standard



USL1 With Junction Box
& Emergency Back-Up

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