

LLT1

LED Linear Linkable Strip



Key Features

- The compact linear design makes it easy to install virtually anywhere you need lighting.
- Fixture housing quickly locks into place within an alignment channel bracket for faster installation.
- Selectable wattage and correlated color temperature (CCT) via a switch in the field.

Electrical

- 120-277VAC; 50/60Hz input.
- 0-10V dimming standard.
- Power factor: >0.9 and THD <20%.
- Operating temperature: -20°C to 40°C (-4°F to 104°F)

Mounting

- Alignment channel bracket can be surface mounted or suspended with accessory kit (sold separately).

Construction

- Channel bracket and fixture housing are aluminum painted with a standard white finish for optimal thermal management.
- Frosted acrylic lens is designed for uniform light distribution, superior glare control, and enhanced aesthetics.
- Includes 2' whip, linkable plate, ceiling and surface mount bracket.

Optics

- Selectable CCT switch with choices of 3000K, 4000K, and 5000K.
- Industry-leading LEDs with ≥82 CRI.
- Lumen Maintenance: ≥181,000 hours (L70) ¹

Warranty

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

Project	Date
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Catalog Number	Type
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Product Performance Summary

Lumen Output	Up to 11,890 lumens
Efficacy	Up to 154 LPW
CRI	≥ 82 CRI
Available CCT	3000K, 4000K, or 5000K
Warranty	Ten-Year Warranty

Product Overview

US LED's LLT1 is an efficient, modern LED linkable linear solution that offers exceptional illumination for everyday commercial and industrial applications. Incredibly easy to install, the LLT1's fixture housing locks into place within an alignment channel bracket, secured by snap locks, and can be surface mounted or suspended virtually anywhere. This versatile LED strip features selectable wattage and CCT, allowing the user to choose the perfect lighting for the environment. Moreover, it can be specified with motion-sensing capabilities to optimize energy use.

Product Applications

- Retail/Grocery
- Educational Facilities
- Industrial/Warehouse
- Hallways/Corridors
- Office Spaces
- Task Lighting

Product Certifications

- UL Listed
- Complies with UL1598 and CSA 22.2
- DLC Listed
- Suitable for Indoor Damp Locations
- RoHS Compliant



Ordering Information

Example: LLT1-4-40-UNVL-SCCT-N-M

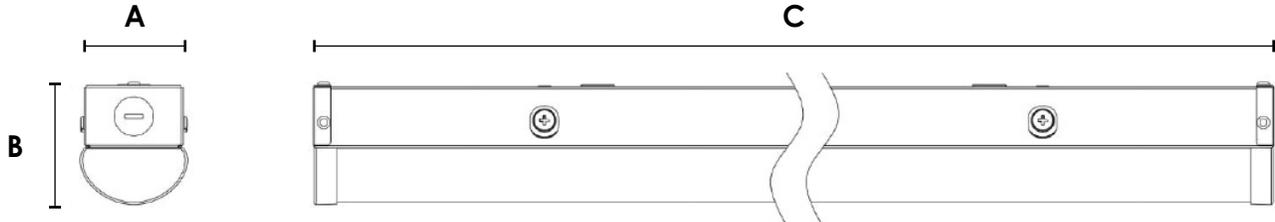
Series	Length	Selectable Power ²	Input Voltage	Selectable CCT	Battery Back-Up ³	Integrated Sensor
2	2 ft.	25 15W/20W/25W	UNVL 120-277V	SCCT Selectable CCT: 3000K, 4000K & 5000K	Y Yes N No	M DC Motion Sensor [Blank] No Sensor
4	4 ft.	40 25W/30W/40W				
8	8 ft.	60 50W/60W/80W				

Accessories	
30202	10' Aircraft Cable Mount Kit
C	Casambi Enabled
EM ⁴	Remote Battery Back-Up
MS	External Motion Sensor
WG	Wire Guard

1. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on IESNA TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive 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 NA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip.
 2. [Option 25] available with 2 ft. model; [Option 40] available with 4 ft. model; [Option 60] available with 8 ft. model.
 3. Integrated battery back-up only available with 4 ft. or 8 ft. models.
 4. A remote battery backup accessory [Option EM] is only necessary if the integrated battery backup was not ordered.

Dimensions

Model	A	B	C	Net Weight
2 ft.	2.9 in. [74 mm]	3.25 in. [82 mm]	24.0 in. [610 mm]	1.76 lbs. (0.79kg)
4 ft.	2.9 in. [74 mm]	3.25 in. [82 mm]	48.0 in. [1220 mm]	3.30 lbs. (1.50kg)
8 ft.	2.9 in. [74 mm]	3.25 in. [82 mm]	96.0 in. [2438 mm]	6.60 lbs. (2.99kg)



Performance Data

Model	System Level Power	Delivered Lumens	Efficacy	CCT	L70 Calculated Life
LLT1-2-25-UNVL-SCCT-X	15.01W	2,185	146 LPW	3000K	≥181,000 Hours
	14.64W	2,236	153 LPW	4000K	≥181,000 Hours
	14.88W	2,284	153 LPW	5000K	≥181,000 Hours
	19.93W	2,890	145 LPW	3000K	≥181,000 Hours
	20.00W	2,999	145 LPW	4000K	≥181,000 Hours
	19.53W	3,034	154 LPW	5000K	≥181,000 Hours
	23.88W	3,436	144 LPW	3000K	≥181,000 Hours
	23.42W	3,587	153 LPW	4000K	≥181,000 Hours
	23.95W	3,626	151 LPW	5000K	≥181,000 Hours
LLT1-4-40-UNVL-SCCT-X	24.60W	3,579	145 LPW	3000K	≥181,000 Hours
	24.07W	3,668	152 LPW	4000K	≥181,000 Hours
	24.55W	3,752	153 LPW	5000K	≥181,000 Hours
	30.33W	4,379	144 LPW	3000K	≥181,000 Hours
	29.18W	4,451	153 LPW	4000K	≥181,000 Hours
	30.30W	4,585	151 LPW	5000K	≥181,000 Hours
	40.05W	5,648	141 LPW	3000K	≥181,000 Hours
	38.97W	5,893	151 LPW	4000K	≥181,000 Hours
40.36W	5,945	147 LPW	5000K	≥181,000 Hours	
LLT1-8-60-UNVL-SCCT-X	49.20W	7,158	145 LPW	3000K	≥181,000 Hours
	48.14W	7,336	152 LPW	4000K	≥181,000 Hours
	49.10W	7,504	153 LPW	5000K	≥181,000 Hours
	60.66W	8,758	144 LPW	3000K	≥181,000 Hours
	58.36W	8,902	153 LPW	4000K	≥181,000 Hours
	60.60W	9,170	151 LPW	5000K	≥181,000 Hours
	80.10W	11,296	141 LPW	3000K	≥181,000 Hours
	77.94W	11,786	151 LPW	4000K	≥181,000 Hours
	80.72W	11,890	147 LPW	5000K	≥181,000 Hours

Accessories

[Option MS] Microwave Motion Sensor



Operating Voltage	DC:10.5-15V
Operating Current	<30mA
Stand-By Power	<0.5W
Control Method	On/Off
	0-10V Dimming
Microwave Frequency	5.8GHz±75MHz
Microwave Power	<0.3mW
Detection Area	50%/100%

Hold Time	5s/30s/1min/10min
Daylight Threshold	2Lux/10Lux/50Lux/Disable
Stand-By Period	0s/30s/20min/+∞
Stand-By Dimming Level	10%(1.9±0.2V) 20%(2.9±0.2V) 30%(3.9±0.2V) 50%(5±0.2V)
Mounting Height	Max. 16.4 ft. [5m] (ceiling mounted)
Detection Range	DxH. (Radius)3-7m×4m/9.84-22.97ft×13.12ft (ceiling mounted)
Motion Detection	0.5~1m/s
Detection Angle	150° Wall Mounted / 360° Ceiling Mounted

1. Automatically ON/OFF Function

Light ON when movement is detected and OFF after people leave.



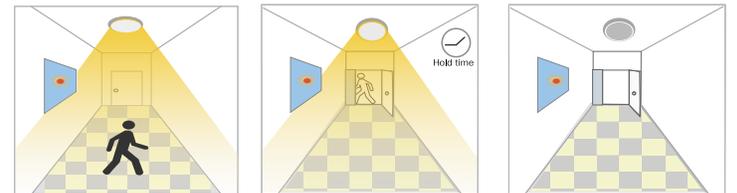
With sufficient daylight, even when motion is detected, light remains OFF.

With insufficient daylight and motion is detected, light is ON.

After the last detection and the present hold time has elapsed, light is OFF.

2. No Daylight Function

Light ON when movement is detected. After people leave, light OFF after stand-by period.

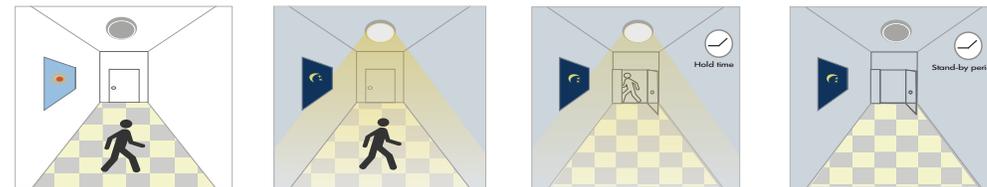


When motion is detected, the sensor will switch the light ON to 100% output.

After people leave the detection area, the light remains at 100% output within the hold time.

After the last detection and the present hold time has elapsed, the light turns OFF.

3. Dimmable Control/Corridor Function



With sufficient daylight, even with motion detected, light remains OFF.

With insufficient daylight when motion detected, light is ON.

After last detection, the light will be dimmed down to the stand-by dimming level after hold time. (10-50%)

After the stand-by period, light is switched OFF.

Accessories

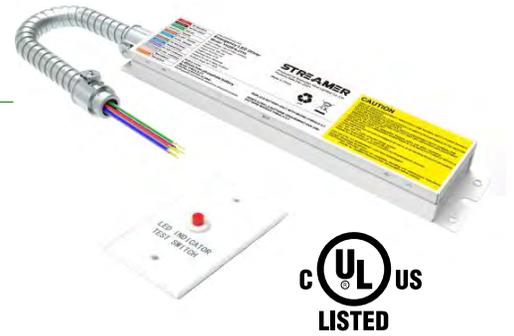
[Option EM] Remote Battery Back-Up | 2 ft. Model Only

Product Overview

UL Listed LED emergency driver that allows the same luminaire to be used for both normal and emergency operation. In the event of a power failure, the battery back-up switches to the emergency mode and operates the luminaire for 90 minutes.

Key Features

- Suitable for 8W to 80W luminaire with internal or external LED driver.
- Used with LiFePO4 battery.
- DC150-200V output.
- Deep discharge protection.
- Accessory test switch and charge indicator.
- Five-Year Warranty.



Specifications

Rated Input Voltage	100-277VAC, 50/60Hz
Input Current	120mA Max
Input Power	8W Max
Power Factor	0.6@100VAC, 0.5@347VAC
Output Wire L-out N-out (LED Load Input)	AC 3A Max
Output Voltage Range	DC150-220V
Recharge Current	0-500mA
Recharge Time	24 Hours
Discharge Time	90 Minutes
Maximum Casing Temperature	85°C (85°F)

Product Dimensions

