

ESSENCE™

STATIC WHITE LED TAPE

ESSENCE Static White LED tape provides quality light in applications where fixtures are not practical. Tight LED pitch and the ability to field-cut the LED tape provides versatile, uniform illumination.

CLEAN AESTHETIC WITH MINIMAL SHADOWING

- Tight LED pitch (72 LEDs/ft)

EASE OF SPECIFYING AND INSTALLATION

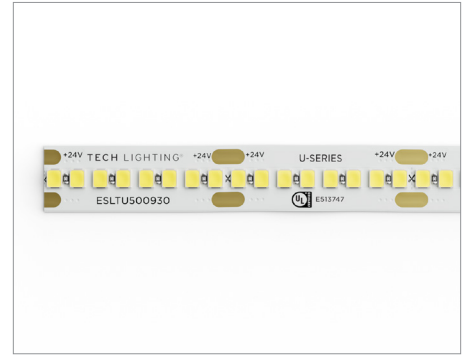
- Tape is field-cuttable in 1.3-in increments, ordered by the foot
- Includes 3M™ tape for robust mounting
- Robust tape-to-tape and tape-to-wire connectors, wire management clips, and splice boxes available

MINIMAL VOLTAGE DROP AND HIGH RELIABILITY

- Ultra-premium electrical and thermal conductivity, performance, and reliability
- Copper substrate minimizes voltage drop for consistent brightness along the run

APPLICATION VERSATILITY

- Standard reverse-phase, forward-phase, and TRIAC dimming down to 0.2%, Lutron Hi-lume EcoSystem down to 0.1%, and eldoLED 0-10V down to 0.1%
- Registered CEC appliance database; complies with CEC 2019 Title 24 Part 6
- ETL Listed Class 2, Damp Location



SHOWN IN U-SERIES

LUMEN MULTIPLIER (CRI/CCT)

CCT	MULTIPLIER
2400K	0.90
2700K	0.95
3000K	1.00
3500K	1.05
4200K	1.10

Lumen output will vary by CCT.
See photometric charts for more information.

SPECIFICATIONS

	U-SERIES STATIC WHITE			P-SERIES STATIC WHITE			
DELIVERED LUMENS/FT	800	500	300	800	500	300	200
WATTS/FT	7.3	4.6	2.5	7.3	4.6	2.5	1.9
EFFICACY	110	109	120	110	109	120	105
CCT	2700K, 3000K, or 3500K			2400K, 2700K, 3000K, 3500K, or 4200K			
COLOR CONSISTENCY	1-step			2-step			
COLOR QUALITY	CRI 97+, R ₉ 95+, R _f 95+, R _g 100			CRI 95+, R ₉ 90+, R _f 90+, R _g 95-105			
CRI	97+			95+			
VOLTAGE	Channels and LED tape: 24VDC input Power supplies: 120V or 277VAC input; 24VDC output						
DIMMING	Reverse-phase, forward-phase, and TRIAC dimming (down to 0.2%) MLV dimming (down to 0.2%) Standard 0-10V dimming (down to 5%) eldoLED 0-10V dimming (down to 0.1%) Lutron Hi-lume EcoSystem/3-wire (down to 0.1%)						
POWER SUPPLY	Constant voltage with +0.9 power factor and +80% efficiency. Class 2 up to 100W.						
GENERAL LISTINGS	ETL Listed Class 2, Damp Location.						
CALIFORNIA TITLE 24	Registered CEC appliance database. Complies with CEC 2019 Title 24 Part 6.						
L70	50,000 hours min						
WARRANTY	LED tape 10 years; Power supplies 5 years						

Data in chart reflect 3000K values unless noted.

Ordering grids available on page 2.

Visit www.techlighting.com for specific warranty limitations and details.

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ORDERING GRIDS

LED TAPE U-SERIES

(1-STEP)

PRODUCT	LENGTH IN FEET	OUTPUT/FT	CRI/CCT
ESLTU ESSENCE LED TAPE U-SERIES (1-STEP)	1-40 (1 FT INCREMENTS)	300 300 LM/FT	927 97 CRI, 2700K
		500 500 LM/FT ¹	930 97 CRI, 3000K
		800 800 LM/FT ²	935 97 CRI, 3500K

ESLTU

¹500 - Output 20 ft max length.

²800 - Output 13 ft max length.

LED TAPE P-SERIES

(2-STEP)

PRODUCT	LENGTH IN FEET	OUTPUT/FT	CRI/CCT
ESLTP ESSENCE LED TAPE P-SERIES (2-STEP)	1-50 (1 FT INCREMENTS)	200 200 LM/FT	924 95 CRI, 2400K ⁴
		300 300 LM/FT ¹	927 95 CRI, 2700K
		500 500 LM/FT ²	930 95 CRI, 3000K
		800 800 LM/FT ³	935 95 CRI, 3500K
			942 95 CRI, 4200K ⁵

ESLTP

¹300 - Output 40 ft max length.

²500 - Output 20 ft max length.

³800 - Output 13 ft max length.

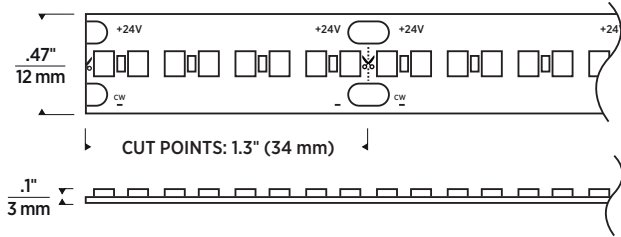
⁴924 - 200 and 300 lm/ft only.

⁵942 - Not available in 200 lm/ft.

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DIMENSIONS



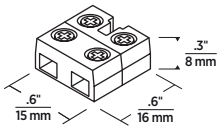
ACCESSORIES



LED TAPE-TO-WIRE CONNECTOR

Tape-to-wire connectors are used to feed power to a run of LED tape. Compatible with 14-20 AWG wire.

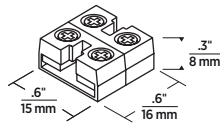
ORDERING INFORMATION
ESLCTW12-2



LED TAPE-TO-TAPE CONNECTOR

Tape-to-tape connectors are used to extend a run of LED tape.

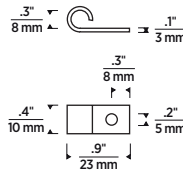
ORDERING INFORMATION
ESLCTT12-2



WIRE MANAGEMENT CLIP

Designed with simplicity to help route and conceal wiring. Includes 10 clips and screws.

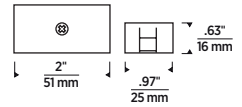
ORDERING INFORMATION
ESLTCPLJ



SPLICE BOX

Used for housing low-voltage wire connections.

ORDERING INFORMATION
ESLTSBB BLACK
ESLTSBW WHITE










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REMOTE POWER SUPPLIES

All power supplies are Damp Location Listed.

POWER SUPPLY	ITEM NUMBER	MINIMUM ¹ DIMMING LEVEL	FEATURES
REVERSE-PHASE, FORWARD-PHASE, TRIAC			
 <p>INDOOR - 60W INDOOR - 96W</p>	<p>60W: ESPRO6024ELV120 8.1"L x 4.1"W x 1.8"H</p> <p>96W: ESPR10024ELV120 13.5"L x 4.5"W x 2.4"H</p>	0.2%	<ul style="list-style-type: none"> • 120V input voltage; 24VDC output voltage • Complies with CEC 2019 Title 24 Part 6
0-10V			
 <p>INDOOR - 60W INDOOR - 96W</p>	<p>Standard</p> <p>60W: ESPRO6024010120-277 8.1"L x 4.1"W x 1.8"H</p> <p>96W: ESPR10024010120-277 13.5"L x 4.5"W x 2.4"H</p>	5%	<ul style="list-style-type: none"> • Universal 120V-277V input voltage; 24VDC output voltage • Complies with CEC 2019 Title 24 Part 6
 <p>INDOOR - 60W AND 96W</p>	<p>EldoLED LINEARdrive</p> <p>60W: ESPRO60241010120-277 8.1"L x 4.1"W x 1.8"H</p> <p>96W: ESPR100241010120-277 8.1"L x 4.1"W x 1.8"H</p>	0.1%	
MLV			
 <p>INDOOR - 60W AND 100W</p>	<p>Standard</p> <p>60W: ESPRO6024MLV120 6.1"L x 2.6"W x 2.3"H</p> <p>100W: ESPR10024MLV120 6.1"L x 2.6"W x 2.3"H</p>	5%	<ul style="list-style-type: none"> • 120V input voltage; 24VDC output voltage • 60W load min/max: 12W/42W; 100W load min/max: 20W/70W • Static white only; not available with warm dim
 <p>INDOOR - 48W AND 100W</p>	<p>Justin</p> <p>48W: ESPRO4824JMLV120 11.3"L x 3.4"W x 3.3"H</p> <p>100W: ESPR10024JMLV120 11.3"L x 3.4"W x 3.3"H</p>	0.2%	<ul style="list-style-type: none"> • 120V input voltage; 24VDC output voltage • 48W load max: 33W; 100W load max: 70W • Static white only; not available with warm dim
LUTRON HI-LUME ECOSYSTEM / 3-WIRE 0.1% DIMMING			
 <p>INDOOR - 100W</p>	<p>100W: ESPR10024HLECO120-277 10.5"L x 5.5"W x 2"H</p>	0.1%	<ul style="list-style-type: none"> • Used when a Lutron Hi-lume control system is required • Universal 120V-277V input voltage; 24VDC output voltage • Complies with CEC 2019 Title 24 Part 6 • Static white only; not available with warm dim
NON-DIMMING			
 <p>INDOOR - 60W AND 96W</p>	<p>60W: ESPRO6024ND120-277 8.1"L x 4.1"W x 1.8"H</p> <p>96W: ESPR10024ND120-277 8.1"L x 4.1"W x 1.8"H</p>	Not dimmable	<ul style="list-style-type: none"> • Used when dimming is not required • Universal 120V-277V input voltage; 24VDC output voltage

¹Minimum dimming levels vary by dimmer. For more information, reference the ESSENCE architectural light channels and LED tape dimmer compatibility chart available for download on www.techlighting.com.

