

# ESSENCE™

## STATIC WHITE LED TAPE

ESSENCE premium LED Tape provides premium quality, made-to-order, specification grade, high color quality 24VDC linear task and accent lighting solutions. Backed by short lead times and Tech Lighting's impeccable service, ESSENCE is easy to specify, easy to install and blends seamlessly into the architectural design to elevate any space.

### PREMIUM COLOR QUALITY AND CONSISTENCY

- U-Series Static White: 1-step color consistency, CRI 97+, R<sub>9</sub> 95+, R<sub>r</sub> 95+, R<sub>g</sub> 100
- P-Series Static White: 2-step color consistency, CRI 95+, R<sub>9</sub> 90+, R<sub>r</sub> 90+, R<sub>g</sub> 95-105

### CLEAN AESTHETIC WITH MINIMAL SHADOWING

- Tight LED pitch (72 LEDs/ft)

### EASE OF SPECIFYING AND INSTALLATION

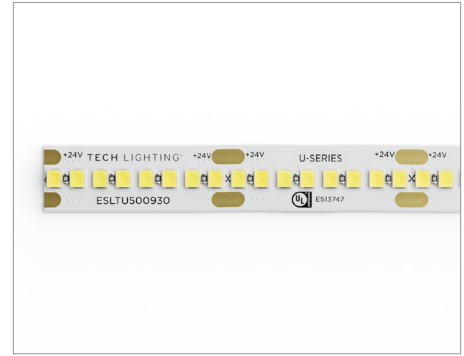
- Tape is field-cuttable in 1.3-inch increments, ordered by the foot
- Includes 3M™ Tape for robust mounting
- Robust Tape-to-Tape and Tape-to-Wire Connectors, Wire Management Clips, and Splice Boxes available

### MINIMAL VOLTAGE DROP AND HIGH RELIABILITY

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

### APPLICATION VERSATILITY

- Standard phase 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. Can be used to comply with CEC 2019 title 24 part 6
- ETL listed Class 2, Damp listed



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			P-SERIES			
	STATIC WHITE			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 OPTIONS	2700K, 3000K, 3500K			2400K, 2700K, 3000K, 3500K, 4200K			
COLOR CONSISTENCY	1-step			2-step			
CRI	97+			95+			
VOLTAGE	Channels and LED Tape: 24VDC input Power Supplies: 120V or 277VAC input; 24VDC output						
DIMMING	Standard phase 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 LISTING	ETL Listed Class 2. Damp Listed.						
CALIFORNIA TITLE 24	Registered CEC appliance database. Can be used to comply 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 Techlighting.com for specific warranty limitations and details.

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## STATIC WHITE LED TAPE

### ORDERING GRIDS

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#### LED TAPE U-SERIES

(1-STEP)

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

#### ESLTU

<sup>1</sup>500 - Output 20 ft max length.

<sup>2</sup>800 - 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)	<b>1-50</b> (1 FT INCREMENTS)	<b>200</b> 200 LM/FT	<b>924</b> 95 CRI, 2400K <sup>4</sup>
		<b>300</b> 300 LM/FT <sup>1</sup>	<b>927</b> 95 CRI, 2700K
		<b>500</b> 500 LM/FT <sup>2</sup>	<b>930</b> 95 CRI, 3000K
		<b>800</b> 800 LM/FT <sup>3</sup>	<b>935</b> 95 CRI, 3500K
			<b>942</b> 95 CRI, 4200K <sup>5</sup>

#### ESLTP

<sup>1</sup>300 - Output 40 ft max length.

<sup>2</sup>500 - Output 20 ft max length.

<sup>3</sup>800 - Output 13 ft max length.

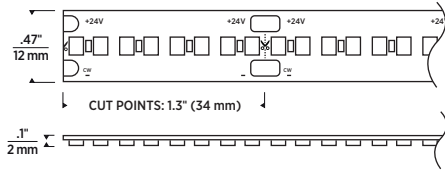
<sup>4</sup>924 - 200 and 300 lm/ft only.

<sup>5</sup>942 - Not available in 200 lm/ft.

# ESSENCE™

## STATIC WHITE LED TAPE

### DIMENSIONS



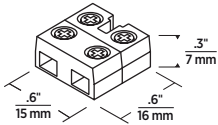
### ACCESSORIES



#### LED TAPE-TO-WIRE CONNECTOR

Connectors used to power feed a run of LED tape. Compatible with 14-20 AWG wire (not included).

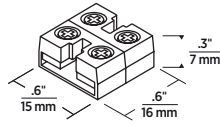
**ORDERING INFORMATION**  
ESLCTW12-2



#### LED TAPE-TO-TAPE CONNECTOR

Connectors used to extend a run of LED tape.

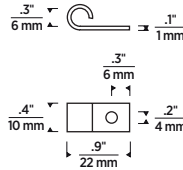
**ORDERING INFORMATION**  
ESLCTT12-2



#### WIRE MANAGEMENT CLIP

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

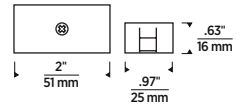
**ORDERING INFORMATION**  
ESLTCPLJ



#### SPLICE BOX

Used for housing low-voltage wire connections.

**ORDERING INFORMATION**  
ESLTSBB BLACK  
ESLTSBW WHITE



# ESSENCE™

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### POWER SUPPLIES

#### PHASE DIMMING



60W

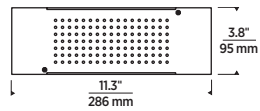
#### REMOTE POWER SUPPLY PHASE DIMMING<sup>1</sup>

Remote Power Supply for Phase Dimming down to 0.2%. 120V input voltage with 24VDC output available in 60W and 100W. Enclosure included.

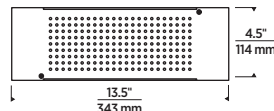
##### ORDERING INFORMATION

ESPR06024ELV120 60W POWER SUPPLY REMOTE PHASE DIMMING  
 ESPR10024ELV120 100W POWER SUPPLY REMOTE PHASE DIMMING

<sup>1</sup>Registered CEC appliance database. Can be used to comply with CEC 2019 title 24 part 6.



60W PHASE DIMMING ENCLOSURE



100W PHASE DIMMING ENCLOSURE



100W

#### 0-10V



60W

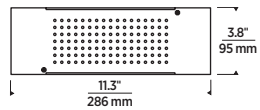
#### REMOTE POWER SUPPLY 0-10V 5%<sup>1</sup>

Remote Power Supply for 0-10V dimming down to 5%. Universal input 120V-277V with 24VDC output available in 60W and 100W. Enclosure included.

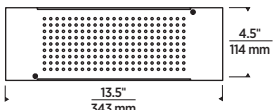
##### ORDERING INFORMATION

ESPR06024010120-277 60W POWER SUPPLY REMOTE 0-10V  
 ESPR10024010120-277 100W POWER SUPPLY REMOTE 0-10V

<sup>1</sup>Registered CEC appliance database. Can be used to comply with CEC 2019 title 24 part 6.



60W 0-10V ENCLOSURE



100W 0-10V ENCLOSURE



100W



60W AND 100W

#### REMOTE POWER SUPPLY EDOLED LINEAR DRIVE 0-10V 0.1%<sup>1</sup>

Remote edoLED LINEARdrive Power Supply for 0-10V dimming down to 0.1%. Linear dimming curve. Universal input 120V-277V with 24VDC output available in 60W and 100W. Enclosure included.

##### ORDERING INFORMATION

ESPR06024010120-277 60W POWER SUPPLY REMOTE 0-10V 0.1% DIMMING  
 ESPR10024010120-277 100W POWER SUPPLY REMOTE 0-10V 0.1% DIMMING

<sup>1</sup>Registered CEC appliance database. Can be used to comply with CEC 2019 title 24 part 6.



60W AND 100W 0-10V ENCLOSURE

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### POWER SUPPLIES

#### LUTRON



#### REMOTE POWER SUPPLY LUTRON HI-LUME ECOSYSTEM/3-WIRE 0.1%<sup>1</sup>

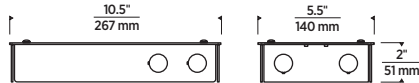
Remote Lutron Hi-Lume Power Supply for EcoSystem or 3-wire compatibility with dimming down to 0.1%. Available for Static White LED Tape only. Universal input 120V-277V with 24VDC output available in 100W. Enclosure included.

#### ORDERING INFORMATION

ESPR10024HLECO120-277 100W POWER SUPPLY LUTRON HI-LUME ECOSYSTEM/3-WIRE<sup>2</sup>

<sup>1</sup>Registered CEC appliance database. Can be used to comply with CEC 2019 title 24 part 6.

<sup>2</sup>HLECO not available with Warm Dim.



100W ECOSYSTEM/3-WIRE ENCLOSURE

#### MLV



#### REMOTE TRANSFORMER JUSTIN MLV 0.2%<sup>1</sup>

Remote Justin Power Supply for MLV dimming down to 0.2%. 120V input voltage with 24VDC output available in 48W and 100W. 48W Load Max: 33W. 100W Load Max: 70W. Enclosure included.

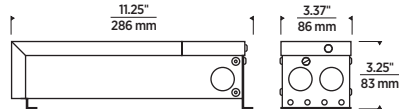
#### ORDERING INFORMATION

ESPR04824JMLV120 48W POWER SUPPLY MLV 0.2%<sup>2</sup>

ESPR10024JMLV120 100W POWER SUPPLY MLV 0.2%<sup>2</sup>

<sup>1</sup>Registered CEC appliance database. Can be used to comply with CEC 2019 title 24 part 6.

<sup>2</sup>JMLV not available with Warm Dim.



60W AND 100W MLV ENCLOSURE



#### REMOTE TRANSFORMER MLV 5%

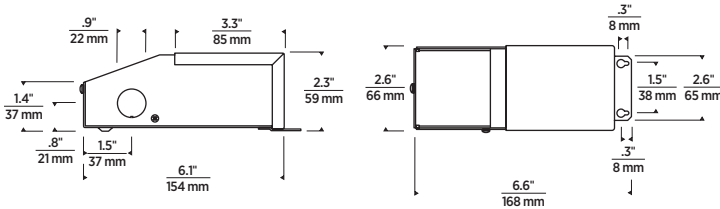
Remote Power Supply for MLV dimming down to 5%. 120V input voltage with 24VDC output available in 60W and 100W. Available for Static White LED Tape only. 60W Load Min/Max: 12W/42W. 100W Load Min/Max: 20W/70W. Enclosure included.

#### ORDERING INFORMATION

ESPR06024MLV120 60W POWER SUPPLY REMOTE MLV<sup>1</sup>

ESPR10024MLV120 100W POWER SUPPLY REMOTE MLV<sup>1</sup>

<sup>1</sup>MLV not available with Warm Dim.



60W AND 100W MLV ENCLOSURE

#### NON-DIMMING



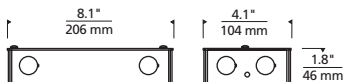
#### REMOTE POWER SUPPLY NON-DIMMING

Remote Power Supply for applications where dimming is not required. Universal input 120V-277V with 24VDC output available in 60W and 100W. Enclosure included.

#### ORDERING INFORMATION

ESPR06024ND120-277 60W POWER SUPPLY REMOTE NON-DIMMING

ESPR10024ND120-277 100W POWER SUPPLY REMOTE NON-DIMMING



60W AND 100W NON-DIMMING ENCLOSURE



