

# LTR-S Specification Series

## 2.5W / 5.8W, 24VDC LED Tape Specification Sheet



Project Name	Type
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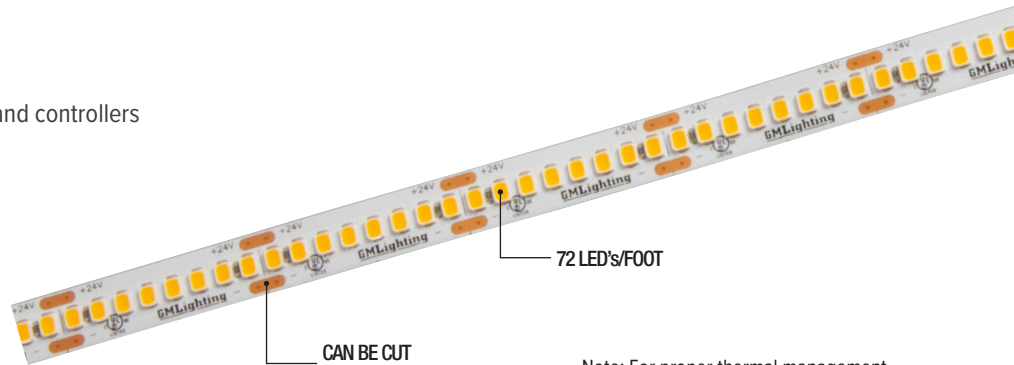
Catalog #	Date
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### PRODUCT OVERVIEW

Our Specification Series provides the ultimate architectural-grade option. Incorporating features that defines the Spec Series as truly state of the art linear LED tape for applications that not only require, but demand the best optics in the industry.

### FEATURES

- Available in multiple color temps
- 280 LED's/meter
- 10mm PCB width
- Cuttable every 1"
- Remote control with GM's LUXcontrol™ App and controllers
- Custom lengths available - consult factory
- Premium diodes
- 120° viewing angle
- Dimmable
- 3M adhesive back
- Maximum run on a given lead is 32'-8"
- Includes Sure-Tite connectors



Note: For proper thermal management, use mounting channel to mount the 5.8W product.

### SPECIFICATIONS

#### ELECTRICAL

- 24V
- 2.5W or 5.8 watts per foot

#### OPTICS

- 95+ CRI

#### OPERATING TEMP

- -4F to 122 F

#### CERTIFICATION

- UL
- Title 24 compliant when used with used with specific drivers. Consult factory.
- Class 2
- Closet Rated. Compliant with NFPA 70, NEC section 410.16 (A)(3) and 410.16 (C)(5)

#### WARRANTY

- 5-year warranty when paired with GM power supply

### ORDERING INFORMATION

Example: LTR-S-24V-2.5W-27K-16

Model	-	Series	-	Voltage	Wattage	Color Temp	Reel Length
LTR	-	S	-	24V	2.5W	27K	16
						30K	
					5.8W	35K	100
						40K	

\*Reel Length: 16 = 16'-4", 100 = 98'-6"

### ACCESSORIES

Model	Description
ESTC-1	Sure-Tite tape to tape connector
ESTC-90	Sure-Tite 90° connector
ESTLK-60	Sure-Tite 60" adjustable tape to tape connector
ESTW-60	Sure-Tite 60" adjustable tape to power connector
ESTW-CO	Sure-Tite tape to power supply connector (no wire)

#### Your LED Tape Specification Checklist:

1. Select Tape
2. Select Connectors
3. Select Channels
4. Select Controllers or Dimmers
5. Select Power Supplies

Install Sheet



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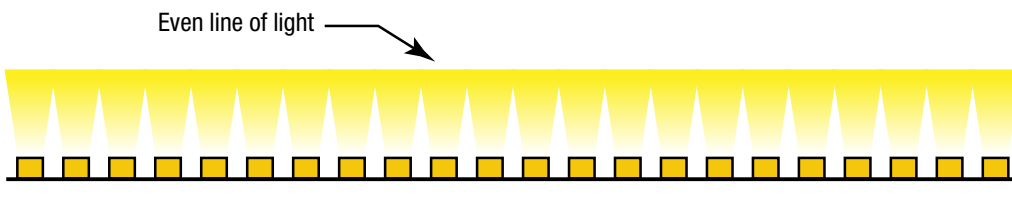
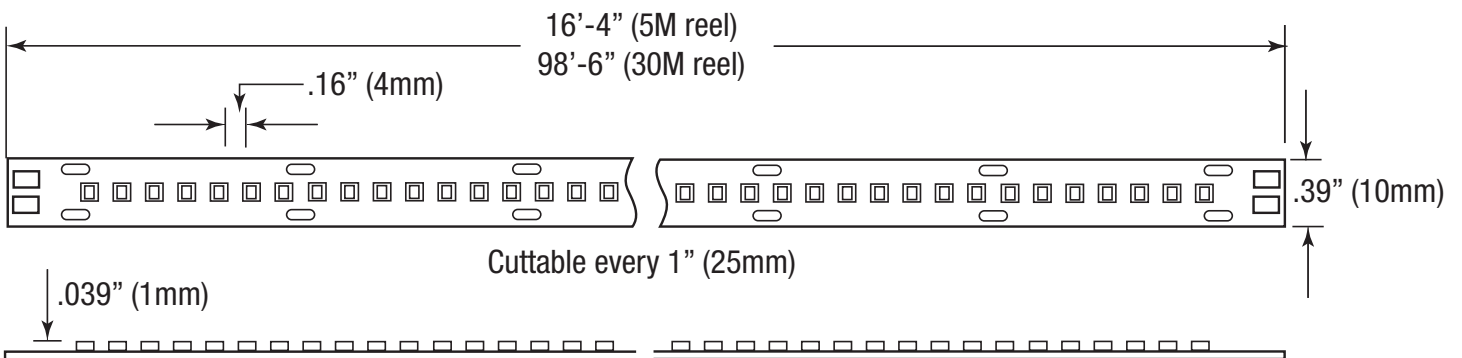
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Catalog No.	Length	Lumens	CRI	Color Temp.	Max. Run
LTR-S-24V-2.5W-27K-16	16'-4" / 5M	216	95+	2700K	32'-8"
LTR-S-24V-2.5W-30K-16	16'-4" / 5M	224	95+	3000K	32'-8"
LTR-S-24V-2.5W-35K-16	16'-4" / 5M	219	95+	3500K	32'-8"
LTR-S-24V-2.5W-40K-16	16'-4" / 5M	261	95+	4000K	32'-8"
LTR-S-24V-2.5W-27K-100	98'-6" / 30M	216	95+	2700K	32'-8"
LTR-S-24V-2.5W-30K-100	98'-6" / 30M	224	95+	3000K	32'-8"
LTR-S-24V-2.5W-35K-100	98'-6" / 30M	219	95+	3500K	32'-8"
LTR-S-24V-2.5W-40K-100	98'-6" / 30M	261	95+	4000K	32'-8"
LTR-S-24V-5.8W-27K-16	16'-4" / 5M	520	95+	2700K	16'-4"
LTR-S-24V-5.8W-30K-16	16'-4" / 5M	519	95+	3000K	16'-4"
LTR-S-24V-5.8W-35K-16	16'-4" / 5M	513	95+	3500K	16'-4"
LTR-S-24V-5.8W-40K-16	16'-4" / 5M	504	95+	4000K	16'-4"
LTR-S-24V-5.8W-27K-100	98'-6" / 30M	520	95+	2700K	16'-4"
LTR-S-24V-5.8W-30K-100	98'-6" / 30M	519	95+	3000K	16'-4"
LTR-S-24V-5.8W-35K-100	98'-6" / 30M	513	95+	3500K	16'-4"
LTR-S-24V-5.8W-40K-100	98'-6" / 30M	504	95+	4000K	16'-4"

Kelvin temperature (color)  $\pm 100K$ .  
 16'-4" and 100' reel includes 24" lead affixed to tape. 16'-4" reel includes (3) ESTW-60 Sure-Tite connectors.  
 100' reel includes (10) ESTW-60 Sure-Tite connectors

### DIMENSION

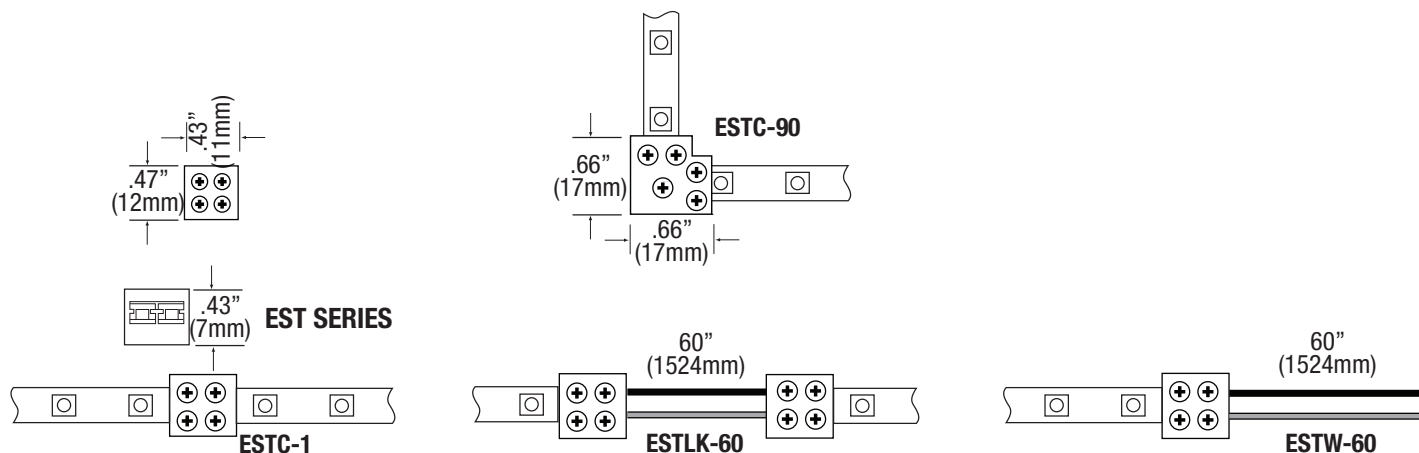


Diode-Free Imaging From High Density Placement

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### EST SERIES CONNECTORS



### COMPATIBLE CONTROLLERS

Model	Description
SHWC	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage
SHWD	LUXcontrol Smart 2.4 GHz WiFi Dimmer, Standard 12V/24V Low Voltage
SWD-60W-24VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 60W, 24VDC
SWD-100W-24VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 100W, 24VDC
HC-RF-UNV-5CH	Universal 1-5 Channel RF Remote Control
CM-RF-UNV-5CH	Universal 1-5 Channel Control Module
RPT-UNV-5CH	Universal 1-5 Channel Repeater Amplifier

### RECOMMENDED DRIVERS

Catalog No.	Description	Watts	Specification Sheet
LD-XD-UNV	LineDrive Electronic Multi-Dimmable Power Supply, 12VDC/24VDC	20W, 40W, 60W, 96W, 180W, 200W, 300W	<a href="#">View Spec Sheet</a>
LD-E-UNV	LineDrive Electronic Non-Dimmable Power Supply, 12VDC/24VDC	30W, 60W, 96W, 200W, 300W	<a href="#">View Spec Sheet</a>
LD-MD-UNV	LineDrive Magnetic Dimmable Power Supply, 12VDC/24VDC	30W, 60W, 96W, 150W, 200W, 300W	<a href="#">View Spec Sheet</a>
LD-EDM	LineDrive Electronic Dimmable MINI Power Supply, 12VDC/24VDC	60W	<a href="#">View Spec Sheet</a>
LTP	Cord and Plug Power Supply, 12VDC/24VDC	25W, 48W, 60W, 90W	<a href="#">View Spec Sheet</a>
PSD	Electronic Dimmable Power Supply, 12VDC/24VDC	15W, 24W, 60W, 90W	<a href="#">View Spec Sheet</a>

NOTE: Please see our website for updated power supply specifications and information.

# LTR-S Specification Series

## 2.5W / 5.8W, 24VDC LED Tape Specification Sheet



### COMPATIBLE CHANNELS - FIT CONNECTORS ON PG. 1

#### EXTRA DEEP

Catalog No.	Description	Length	Dimensions
LED-CHL-XD	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-6	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-XD-AMC	(2) Adjustable mounting brackets for LED-CHL-XD	N/A	
LED-CHL-XD-EC	(2) End caps for LED-CHL-XD. One solid, one with hole.	N/A	
LED-CHL-XD-MC	(2) Mounting clips and screws for LED-CHL-XD	N/A	

#### EXTRA DEEP FLANGED

LED-CHL-XD-F	Extra deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-F-6	Extra deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-XD-F-DC	(2) Drywall mounting brackets for LED-CHL-XD-F	N/A	
LED-CHL-XD-F-EC	(2) End caps for LED-CHL-XD-F. One solid, one with hole.	N/A	

#### MINI DEEP

LED-CHL-XD-MD	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-MD-WH	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. White.	4'	
LED-CHL-XD-MD-B	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. Black.	4'	
LED-CHL-XD-MD-6	Mini deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-XD-MD-6-WH	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. White.	6'	
LED-CHL-XD-MD-6-B	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. Black.	6'	
LED-CHL-XD-MD-AMC	(2) Adjustable mounting brackets for LED-CHL-XD-MD	N/A	
LED-CHL-XD-MD-EC	(2) End caps for LED-CHL-XD-MD. One solid, one with hole.	N/A	
LED-CHL-XD-MD-MC	(2) Mounting clips for LED-CHL-XD-MD	N/A	

#### MINI DEEP FLANGED

LED-CHL-XD-MD-F	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-MD-F-WH	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws. White.	4'	
LED-CHL-XD-MD-F-B	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws. Black.	4'	
LED-CHL-XD-MD-F-6	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-XD-MD-F-6-WH	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. White.	6'	
LED-CHL-XD-MD-F-6-B	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. Black.	6'	
LED-CHL-XD-MD-F-DC	(2) Drywall mounting brackets for LED-CHL-XD-MD-F	N/A	
LED-CHL-XD-MD-F-EC	(2) End caps for LED-CHL-XD-MD-F. One solid, one with hole.	N/A	

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### COMPATIBLE CHANNELS- FIT CONNECTORS ON PG. 1

#### 45° ANGLE MOUNT

Catalog No.	Description		Dimensions
LED-CHL-45	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-45-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-MC	(2) Mounting clips and screws for LED-CHL-45	N/A	

#### 45° LARGE ANGLE MOUNT

LED-CHL-45-1200	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-45-1200-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-1200-MC	(2) Additional mounting clips for LED-CHL-45-1200	N/A	

#### WIDE

LED-CHL-W	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-W-6	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-W-AMC	(2) Adjustable mounting brackets for LED-CHL-W	N/A	
LED-CHL-W-EC	(2) End caps for LED-CHL-W - one solid, one with hole.	N/A	
LED-CHL-W-MC	(2) Additional mounting clips for LED-CHL-W	N/A	

#### MUD IN - STANDARD

LED-CHL-MI-ST6	Standard extruded aluminum mud-in channel. Includes snap-on frosted lens.	6'	
LED-CHL-MI-ST-EC	(2) End caps for LED-CHL-MI-ST6 one solid, one with hole.	N/A	

#### STANDARD STRAIGHT

LED-CHL2-4-CA	Silver channel, white lens (2) mounting clips, (2) screws	4'	
LED-CHL2-4-WH	White channel, white lens (2) mounting clips, (2) screws	4'	
LED-CHL2-4-BK	Black channel, white lens (2) mounting clips, (2) screws	4'	
LED-CHL2-6-CA	Silver channel, white lens, (4) mounting clips, (4) screws	6'	
LED-CHL2-6-WH	White channel, white lens, (4) mounting clips, (4) screws	6'	
LED-CHL2-6-BK	Black channel, white lens, (4) mounting clips, (4) screws	6'	
LED-CHL2 LENS-4-BK	Lens in black for LED-CHL2-4	4'	
LED-CHL2 LENS-6-BK	Lens in black for LED-CHL2-6	6'	
LED-CHL2-ECG	(2) End caps for LED-CHL2-CA: light gray, one solid, one with hole	N/A	
LED-CHL2-ECW	(2) End caps for LED-CHL2-WH: white, one solid, one with hole	N/A	
LED-CHL2-ECB	(2) End caps for LED-CHL2-BK: black, one solid, one with hole	N/A	
LED-CHL2-MC	(2) Mounting clips and (2) screws	N/A	
LED-CHL2-AMC	(2) Adjustable mounting clips and (2) screws	N/A	

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### COMPATIBLE CHANNELS - SOLDERED LEADS ONLY

#### STANDARD STRAIGHT

Catalog No.	Description		Dimensions
LED-CHL	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-6	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	6'	
LED-CHL-AMC	(2) Adjustable mounting brackets for LED-CHL	N/A	
LED-CHL-EC	(2) End caps for LED-CHL - one solid, one with hole.	N/A	
LED-CHL-MC	(2) Additional mounting clips for LED-CHL	N/A	

#### 45° MINI ANGLE MOUNT

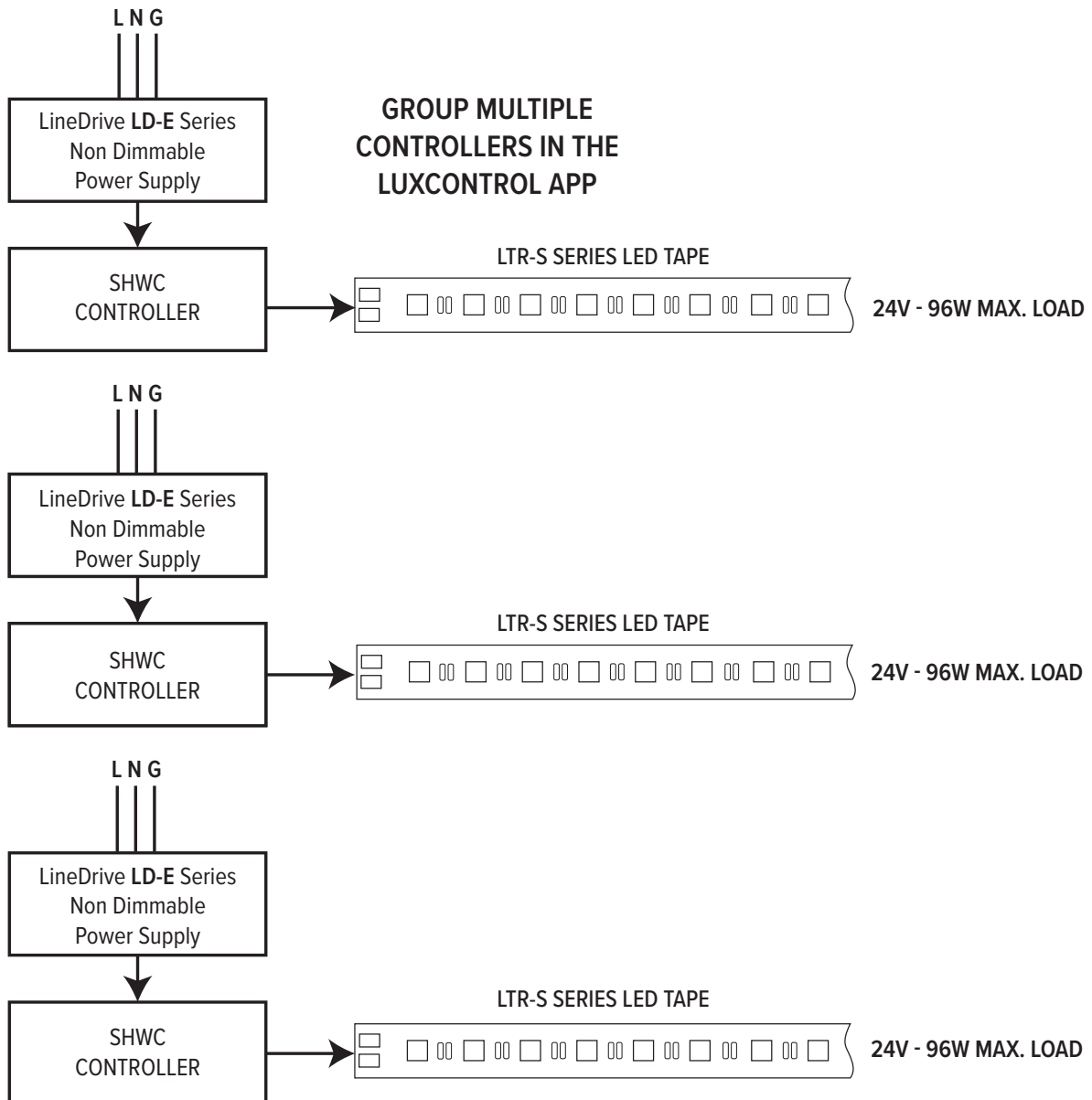
LED-CHL-45-MINI	Extruded angled (45°) silver channel. Includes snap-on white lens with (2) mounting clips and (2) screws.	4'	
LED-CHL-45-MINI-B	Extruded angled (45°) black channel. Includes snap-on white lens with (2) mounting clips and (2) screws.	4'	
LED-CHL-45-MINI-EC	(2) End caps for LED-CHL-45-MINI: light gray, one solid, one with hole	N/A	
LED-CHL-45-MINI-EC-B	(2) End caps for LED-CHL-MINI-B: black, one solid, one with hole	N/A	
LED-CHL-45-MINI-MC	(2) Mounting clips and (2) screws for LED-CHL-45-MINI	N/A	
LED-CHL-45-M-LENS-BK	Lens in black for LED-CHL-45-MINI	4'	

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### SHWC LUXCONTROL WIFI CONTROLLER

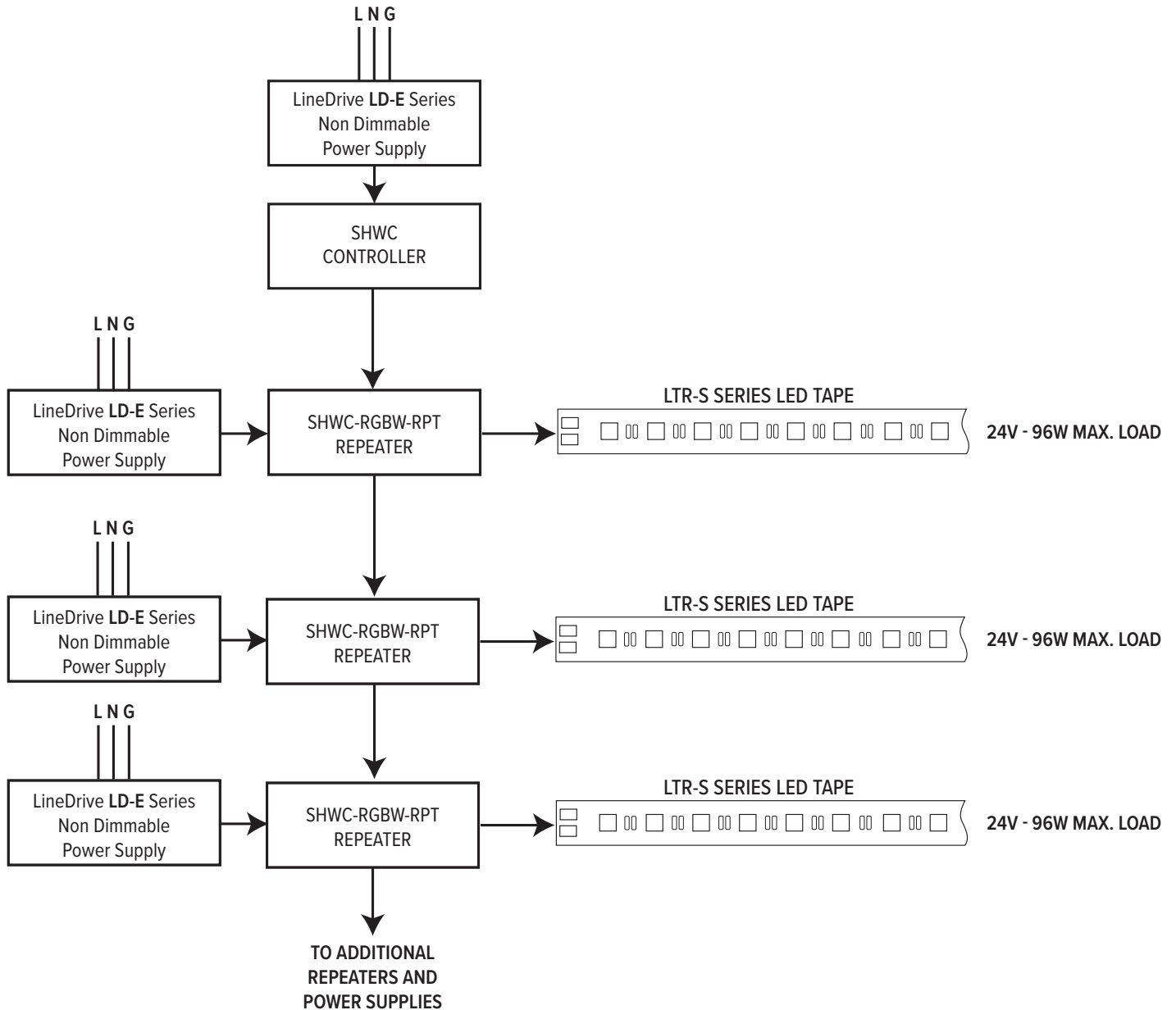


# LTR-S Specification Series

## 2.5W / 5.8W, 24VDC LED Tape Specification Sheet



### SHWC LUXCONTROL WIFI CONTROLLER WITH POWER REPEATER



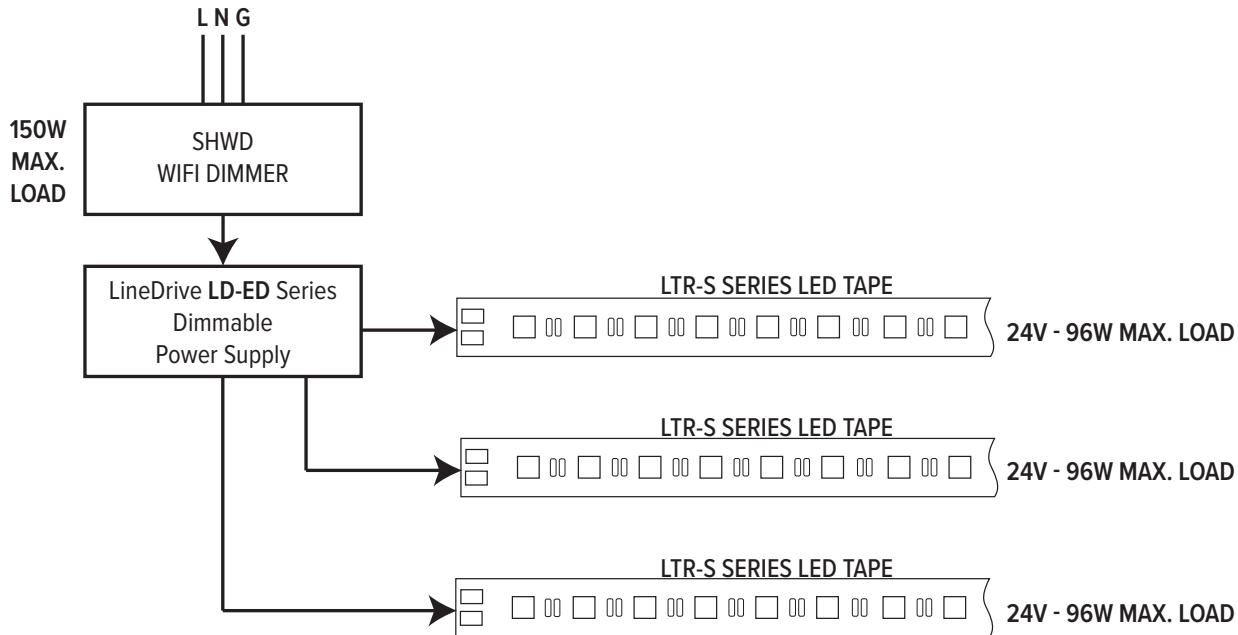


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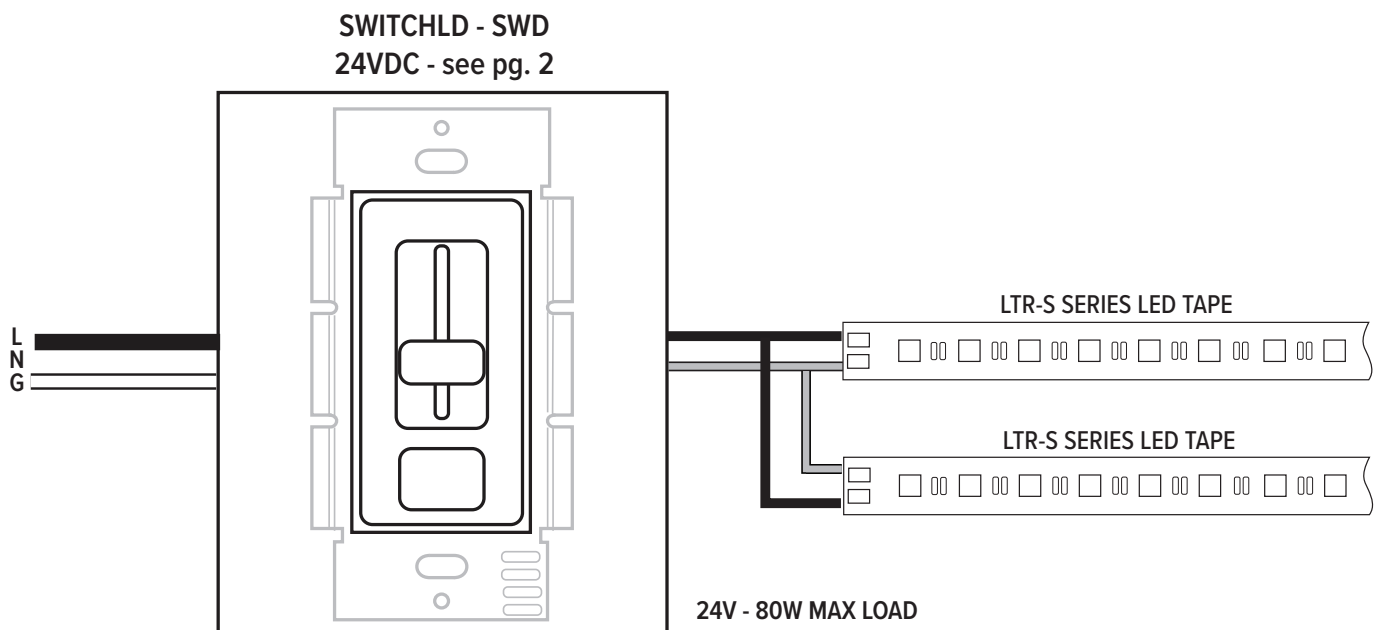
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## SHWD LUXCONTROL WIFI DIMMER



## SWITCHLD SWD DRIVER AND DIMMER



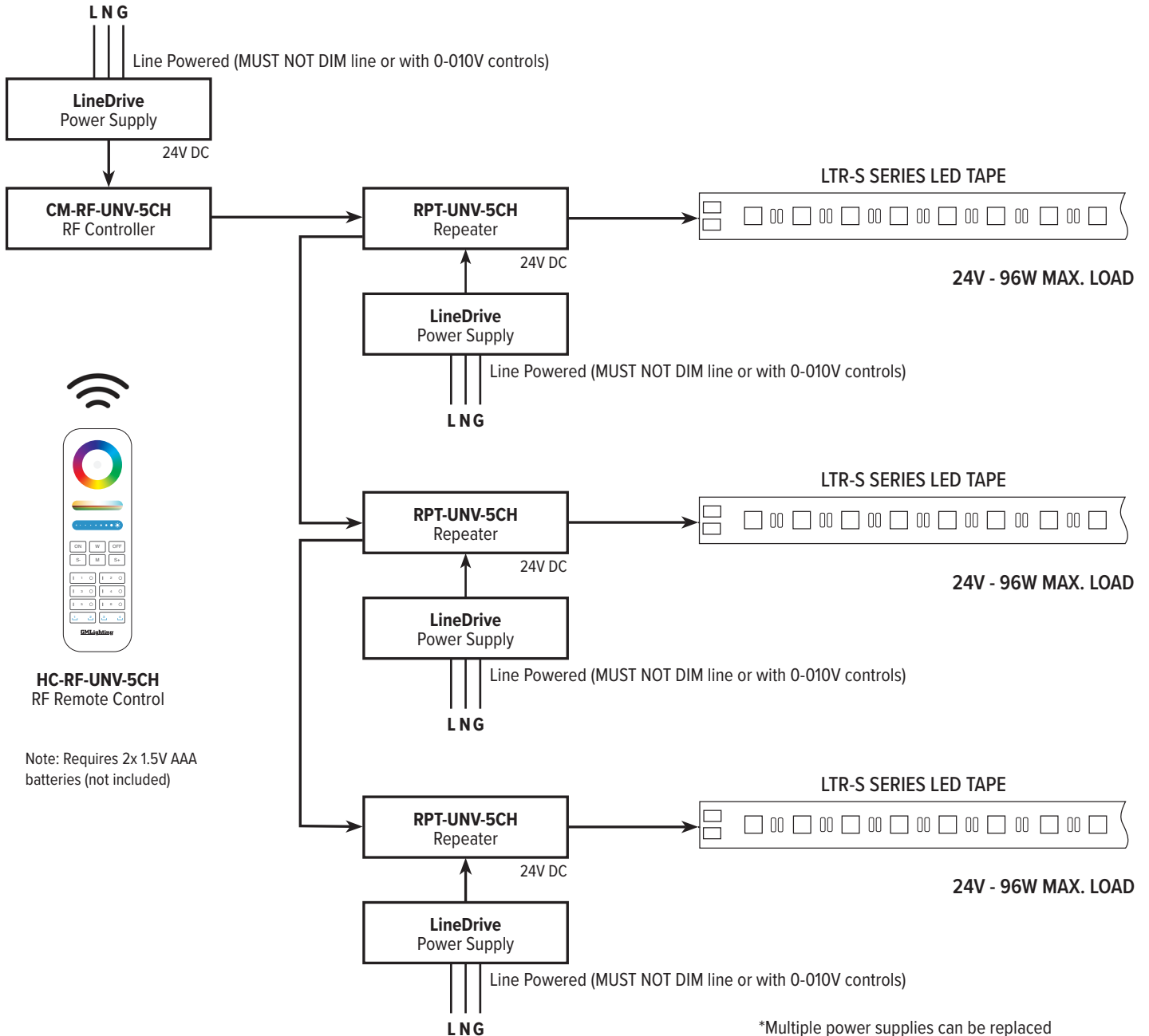
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### RF CONTROLLER

Incoming power for (L N G) options can be 120V or 277V.  
 Check power supply for proper input voltage and output power required.  
 Power Supply output voltage must match LED operating voltage. (24VDC)  
 Power supply used **MUST NOT BE DIMMED** at the input to properly power the controls.  
 See Controller instructions for pairing and wiring details.



\*Multiple power supplies can be replaced with a single multi-output power supply.

Example: (3) **LD-E-UNV96-24** can be replaced by (1) **LD-E-UNV300-24**

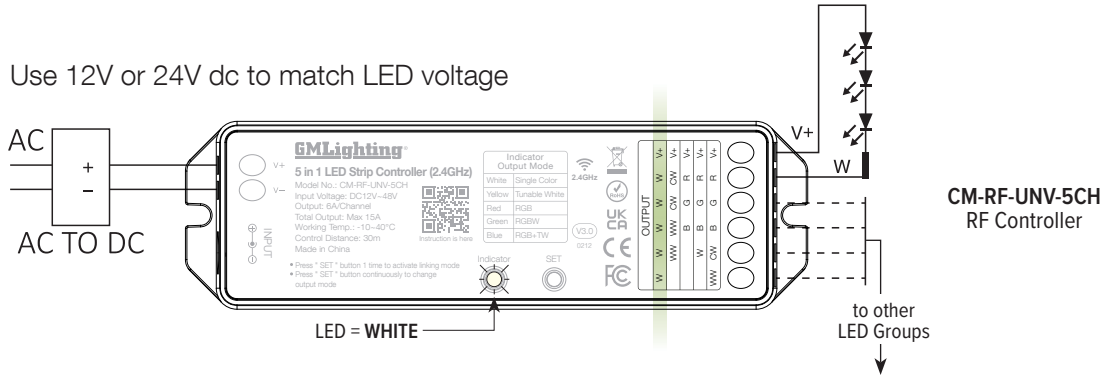
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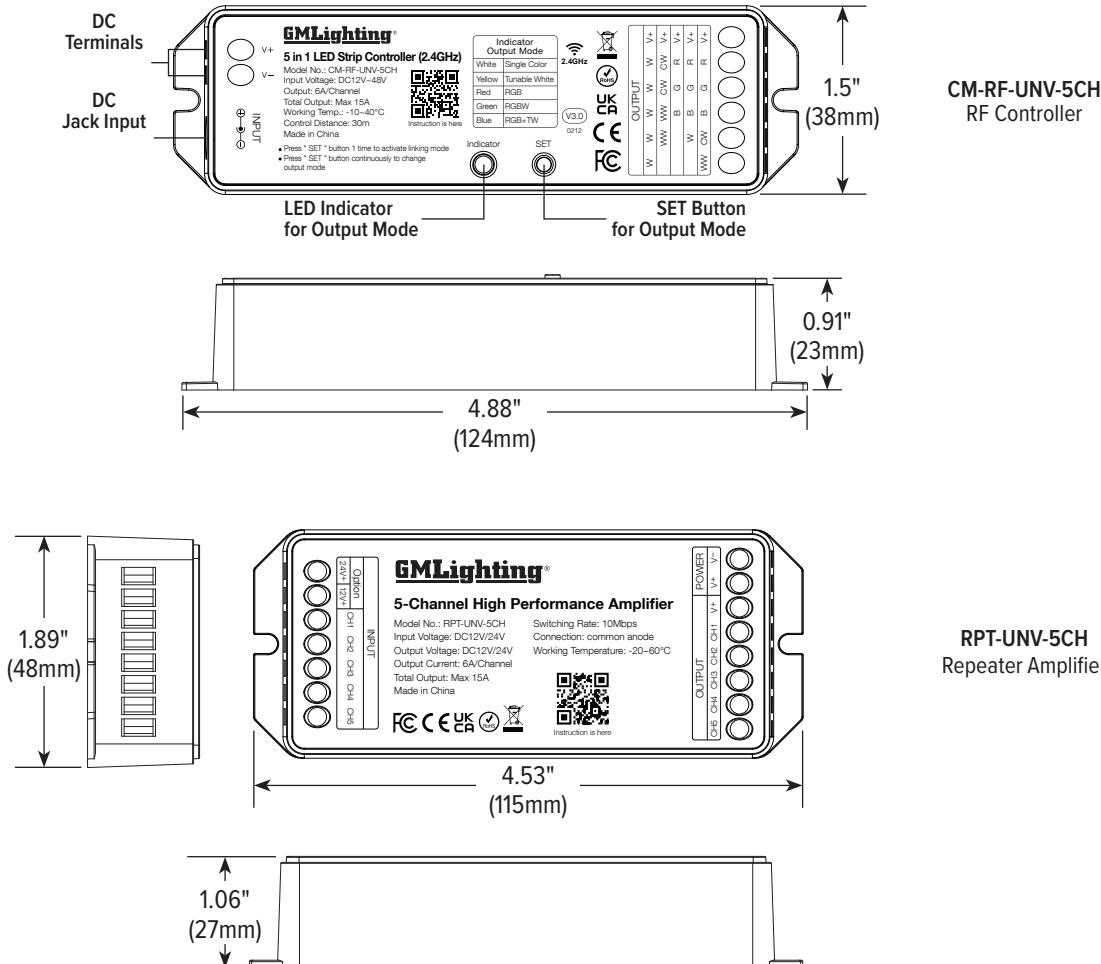


### RF REMOTE CONTROLLER AND REPEATER

Use 12V or 24V dc to match LED voltage



### DIMENSIONS



# LTR-S Specification Series

2.5W / 5.8W, 24VDC

## LED Tape Specification Sheet



### RF HAND HELD REMOTE FEATURES AND DIMENSIONS

RF Remote Control  
HC-RF-UNV-5CH  
with Built-In Effects

