LTR-S Ultra Specification Series

1.5W, 3.0W, 4.5W, 5.8W 24VDC
Dry Location LED Tape Specification Sheet

Project Name	Type
Catalog #	Date

24 VOLT | 94+ CRI | DRY LOCATION | CLASS 2 | LUX control | cULus | 5 Yr. WARRANTY

PRODUCT OVERVIEW

Enhance your next lighting project with GM Lighting's new SCOB LED Tape Light. LTR-S Ultra's design combines the efficiency of SMD LEDs with the smooth illumination of COB technology creating clean and uniform lighting. Available in six color temperature options allowing flexibility for residential, commercial and retail lighting environments.

FEATURES

- 24VDC models
- 2400K, 2700K, 3000K, 3500K, 4000K and 5000K color temps
- Available in 4 wattages for best match of light level
- Custom lengths available - consult factory
- For dry and damp locations
- Cuttable every 0.9" / 1"
- VHB adhesive back
- Dimmable



SPECIFICATIONS

ELECTRICAL

- 24V
- 1.5W, 3W Tapes: 93 LEDs /Ft
- 4.5W, 5.8W Tapes: 96 LEDs /Ft

PHOTOMETRIC

- 94+ CRI
- R9>60
- 1.5W/Ft, 3W/Ft (max): 110lm/W
- 4.5W/Ft, 5.8W/Ft (max): 123lm/W

OPERATING TEMPERATURE

- -4°F to 122°F (-20°C to +50°C)

CERTIFICATION

- cULus Class 2

WARRANTY

- 5-year warranty when paired with GM power supply

Your LED Tape Specification Checklist:

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

ORDERING INFORMATION

Example: LTRSU24V3.0W24K16

Model	Voltage	Wattage	Color Temp	Reel Length
LTRSU	24V	1.5W	24K	16
		3.0W	27K	
			30K	
		4.5W	35K	100
			40K	
		5.8W	50K	

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

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Catalog No.	Lumens/Ft	Watts per ft.	Color Temp.	Cut Increment	Max. Run
LTRSU24V1.5W24K16 /100 /FT	157	1.5W	2400K	0.9”	40’
LTRSU24V1.5W27K16 /100 /FT			2700K		
LTRSU24V1.5W30K16 /100 /FT			3000K		
LTRSU24V1.5W35K16 /100 /FT			3500K		
LTRSU24V1.5W40K16 /100 /FT			4000K		
LTRSU24V1.5W50K16 /100 /FT			5000K		
LTRSU24V3.0W24K16 /100 /FT	314	3.W	2400K	0.9”	32’-8”
LTRSU24V3.0W27K16 /100 /FT			2700K		
LTRSU24V3.0W30K16 /100 /FT			3000K		
LTRSU24V3.0W35K16 /100 /FT			3500K		
LTRSU24V3.0W40K16 /100 /FT			4000K		
LTRSU24V3.0W50K16 /100 /FT			5000K		
LTRSU24V4.5W24K16 /100 /FT	526	4.5W	2400K	1.0”	20’
LTRSU24V4.5W27K16 /100 /FT			2700K		
LTRSU24V4.5W30K16 /100 /FT			3000K		
LTRSU24V4.5W35K16 /100 /FT			3500K		
LTRSU24V4.5W40K16 /100 /FT			4000K		
LTRSU24V4.5W50K16 /100 /FT			5000K		
LTRSU24V5.8W24K16 /100 /FT	678	5.8W	2400K	1.0”	16’-4”
LTRSU24V5.8W27K16 /100 /FT			2700K		
LTRSU24V5.8W30K16 /100 /FT			3000K		
LTRSU24V5.8W35K16 /100 /FT			3500K		
LTRSU24V5.8W40K16 /100 /FT			4000K		
LTRSU24V5.8W50K16 /100 /FT			5000K		

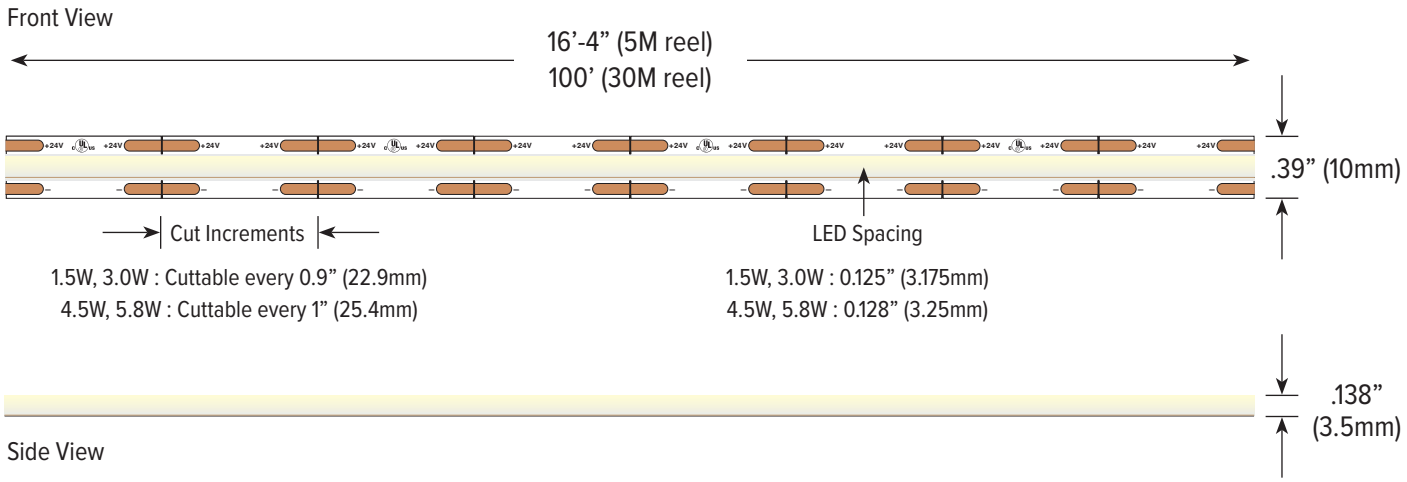
Reel lenghts: 6 = 16’-4 (5M) Reel, 100 = 98’-6” (30M) Reel
16’-4” and 100’ reel includes 60” lead affixed to tape.
16’-4” reel includes (1) LOC2-TP-60 and (2) LOC2-TT-S connectors. 100’ reel includes (2) LOC2-TP-60, (4) LOC2-TT-S connectors.

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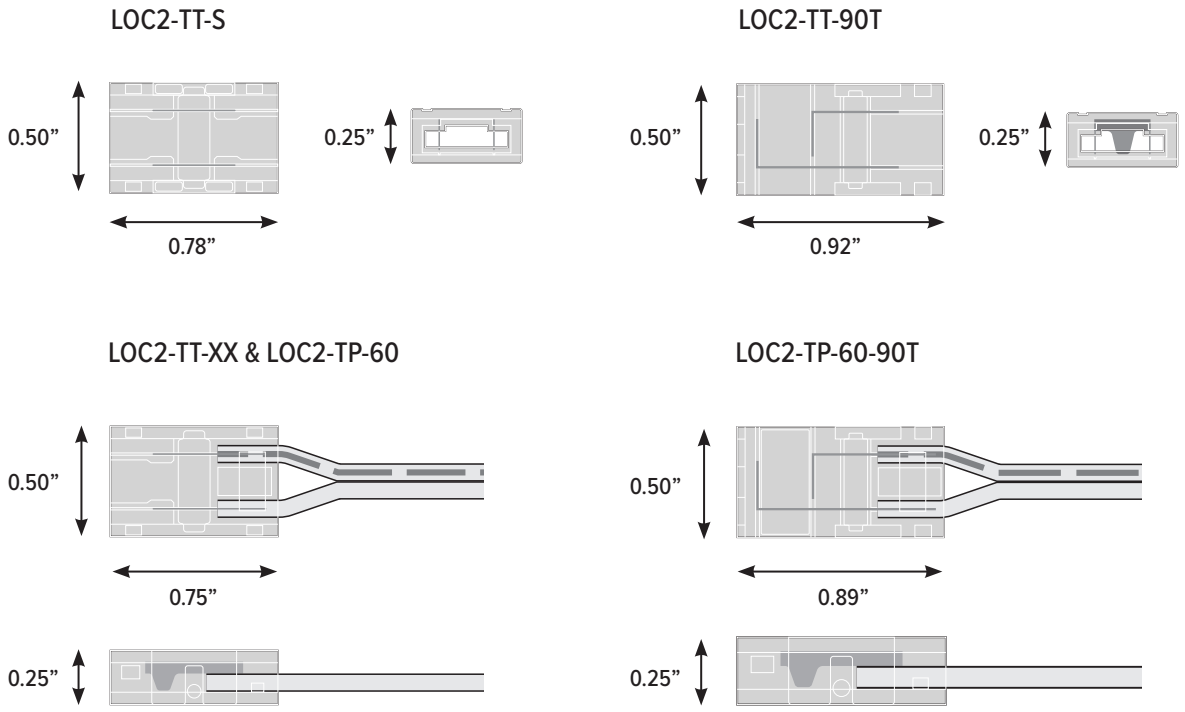
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DIMENSIONS



LOC2 CONNECTOR DIMENSIONS



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RECOMMENDED DRIVERS

Catalog No.	Description	Watts
LD-XD-UNV (Series)	LineDrive Electronic Multi-Dimmable Power Supply, 24VDC	20W, 40W, 60W, 96W, 180W, 200W, 300W
LD-XDWP (Series)	LineDRIVE Wet LocationPower Supplies, 24VDC	30W, 60W, 90W
LD-MD-UNV (Series)	LineDrive Magnetic Dimmable Power Supply, 24VDC	30W, 60W, 96W, 150W, 200W, 300W
LD-EDM (Series)	LineDrive Electronic Dimmable MINI Power Supply, 24VDC	60W
LTP (Series)	Cord and Plug Power Supply, 24VDC	25W, 48W, 60W, 90W
PSD (Series)	Electronic Dimmable Power Supply, 24VDC	15W, 24W, 60W, 90W

Note: These drivers can be used directly with LTRSU tapes for nondimmable and simple dimming applications. Please see our website for updated power supply specifications and information.

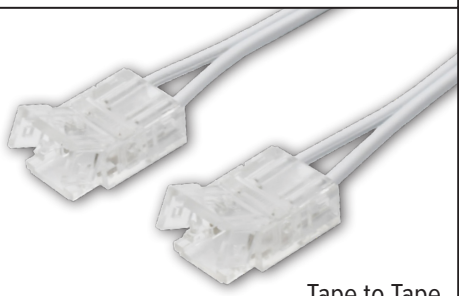
CONNECTORS

These low profile LOC2 series connectors allow for smooth continuous light minimizing shadows. Select from a variety of power feed and tape to tape options. Connectors snap closed on the tape for a secure fit.

Model	Description
LOC2-TT-S	Low Profile tape to tape splice
LOC2-TT-3	Low Profile tape to tape 3”
LOC2-TT-6	Low Profile tape to tape 6”
LOC2-TT-12	Low Profile tape to tape 12”
LOC2-TT-24	Low Profile tape to tape 24”
LOC2-TT-36	Low Profile tape to tape 36”
LOC2-TT-60	Low Profile tape to tape 60”
LOC2-TT-90T	Low Profile tape to tape 90° L/T connector
LOC2-TP-60	Low Profile tape to power 60”
LOC2-TP-60-90T	Low Profile tape to power 60” L/T connector
LOC2-TP	Low Profile tape to power (no wire)
LOC2-WIRE-20FT	White 18AWG/2 wire, 20ft (Must use with LOC2 connectors for best fit)



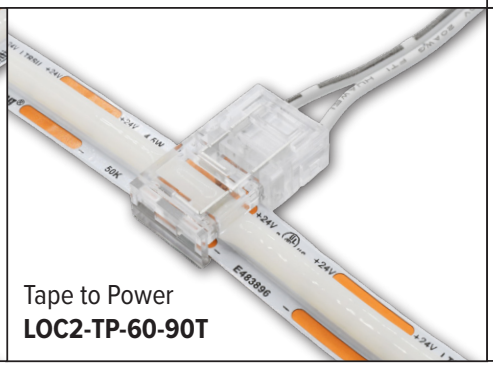
Splice
LOC2-TT-S



Tape to Tape
LOC2-TT-XX



Tape to Tape
LOC2-TT-90T



Tape to Power
LOC2-TP-60-90T



Tape to Power
LOC2-TP-60

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CONTROLLERS



UNIVERSAL RF REMOTE CONTROLLER

Simple local controls for reliable control without need for wifi connections. Versatile linking options make control configurations easy to use. See specification sheets for more details.

Product No.	Description
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

POWER SUPPLIES (For Use With RF Controller)

Product No.	Description
LD-XD-UNV (Series)	LineDRIVE 24V Power Supplies
LD-XDWP (Series)	LineDRIVE 24V Wet Location Power Supplies
LTP (Series)	24V Electronic LED Power Supplies

Note: Multiple power supplies can be replaced with a single multi-output power supply.

LUXcontrol™

Smart controls with App for Android or ios devices for local and remote control. See specification sheets for more details.

Product No.	Description
SHWC*	Smart 2.4 GHz WiFi Controller, Standard 24V Low Voltage, 1-Channel / 2-Wire
SHWC-RGBW-RPT*	Universal Smart Power Repeater

*NOTE: For use with LD-E (non-dimmable) or LD-XD (dimmable) power supply only. Not compatible with LD-MD (magnetic) power supply.

POWER SUPPLIES (For Use With SHWC)

Product No.	Description
LD-XD Series (Series)	LineDRIVE 24V Dimmable Power Supplies
LD-XDWP (Series)	LineDRIVE 24V Wet Location Power Supplies
PSD Series (Series)	Constant Voltage 24V Dimmable Power Supplies

*NOTE: Drivers can power LED controls when not being dimmed at the line inputs or by 0-10V inputs

Product No.	Description
SHWD	Smart 2.4GHz WiFi Dimmer, 120V, White

NOTE: This dimmer is used to control a dimmable DC power supply.



SHWD



SHWC

SwitchLD™ DRIVER-DIMMER

Simple ALL IN ONE power supply and built-in dimmer for smooth operation. This compact device saves space and is great for remodel projects. See specification sheets for more details.

Product No.	Switch Plate Color	Description	Watts
SWDD60W24VAL	AL (ALMOND)	Dimmer / Switch 24VDC	60W
SWDD96W24VAL			96W
SWDD60W24VBK	BK (BLACK)		60W
SWDD96W24VBK			96W
SWDD60W24VWH	WH (WHITE)		60W
SWDD96W24VWH			96W



SWDD (White)

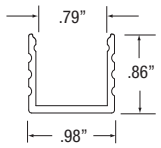
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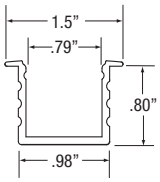
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COMPATIBLE CHANNELS - FIT CONNECTORS ON PG. 3

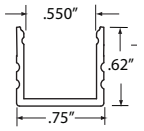
EXTRA DEEP

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	

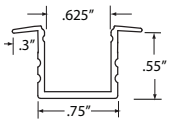
EXTRA DEEP FLANGED

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	

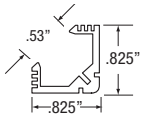
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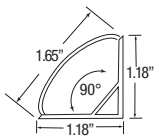
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COMPATIBLE CHANNELS- FIT CONNECTORS ON PG. 3

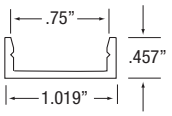
45° ANGLE MOUNT

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	

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