LTR-S Specification Series

1.5W / 3W COB (Chip On Board) LED Tape Specification Sheet

GMLighting®

| Project Name | | Type |
| Catalog # | | Date |

24 VOLT · **DRY LOCATION** · **CLASS 2** · **95+ CRI**

LUX control · **FIELD CUTTABLE** · **c UL us** · **5 Yr. WARRANTY**

PRODUCT OVERVIEW

The newest technology in flexible LED tape is the COB (Chip On Board). Tightly spaced diodes are encapsulated into a single phosphor strip that provides a seamless linear light display with no LED pixelation. Available in 2700K, 3000K, 3500K and 4000K on 16'4" (5 meter) reels.

FEATURES

- 24VDC
- 2700K, 3000K, 3500K and 4000K color temps
- Remote control with GM's LUXcontrol™ App and controllers
- Dry location
- 156 LEDs per foot
- Cuttable every 2"
- 180° viewing angle
- Dimmable
- 3M adhesive back
- Maximum run on a given lead is 1.5W: 32'-8" and 3W: 16'-4"
- Includes Sure-Tite connectors

156 LED's/FOOT

CAN BE CUT EVERY 2"

Install Sheet

SPECIFICATIONS

ELECTRICAL
- 24V
- 1.5 / 3 watts per foot

OPTICS
- 95+ CRI

OPERATING TEMP
- -4°F to 122°F

CERTIFICATION
- UL
- Title 24 compliant when used with specific drivers. Consult factory.

WARRANTY
- 5-year warranty when paired with GM power supply.

ORDERING INFORMATION

Example: LTR-S-COB-24V-3.0W-27K-16

Model	-	Series	-	Type	Voltage	Wattage	Color Temp	Reel Length
LTR		S		COB	24V	1.5W	27K	16
							30K	*100
						3.0W	35K	16
							40K	

Reel Length: 16 = 16'-4", 100=98'-6"
*100 ft. reel available in 1.5W only

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

LTR-S Specification Series

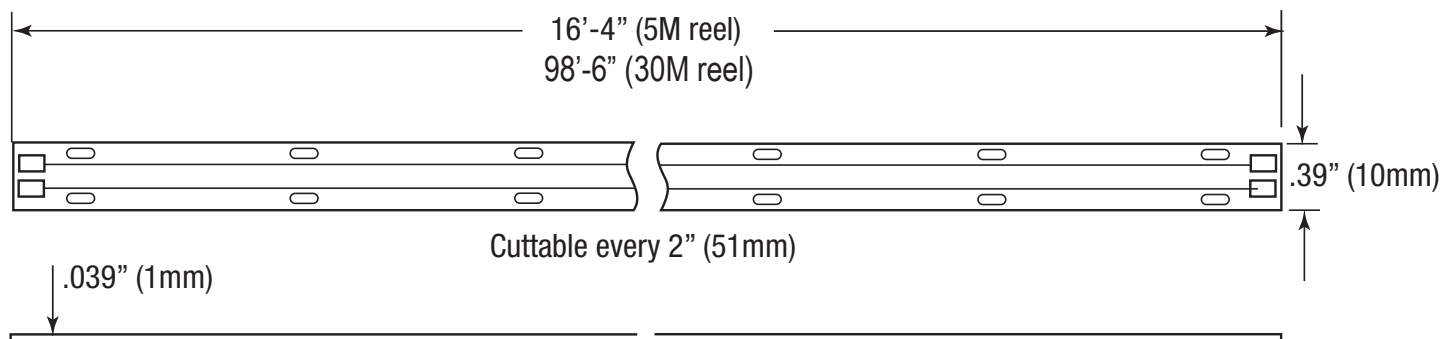## 1.5W / 3W COB (Chip On Board)
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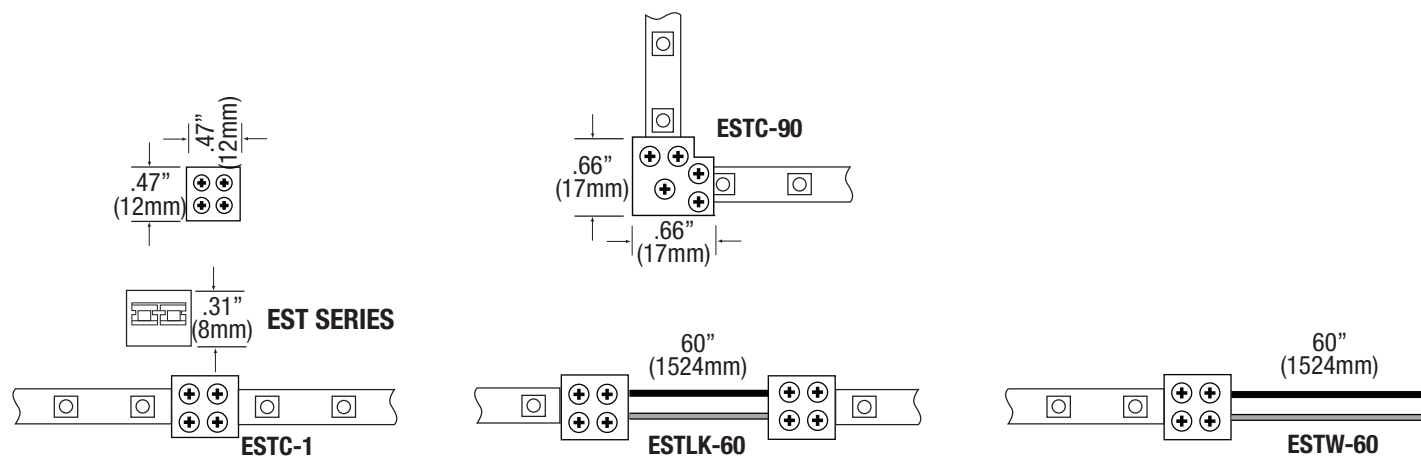| Catalog No.	Length	Lumens	CRI	Color Temp.	Max. Run
LTR-S-COB-24V-1.5W-27K-16	16'-4" / 5M	127	95+	2700K	32'-8"
LTR-S-COB-24V-1.5W-30K-16	16'-4" / 5M	127	95+	3000K	32'-8"
LTR-S-COB-24V-1.5W-35K-16	16'-4" / 5M	127	95+	3500K	32'-8"
LTR-S-COB-24V-1.5W-40K-16	16'-4" / 5M	142	95+	4000K	32'-8"
LTR-S-COB-24V-1.5W-27K-100	98'-6" / 30M	127	95+	2700K	32'-8"
LTR-S-COB-24V-1.5W-30K-100	98'-6" / 30M	127	95+	3000K	32'-8"
LTR-S-COB-24V-1.5W-35K-100	98'-6" / 30M	127	95+	3500K	32'-8"
LTR-S-COB-24V-1.5W-40K-100	98'-6" / 30M	142	95+	4000K	32'-8"
LTR-S-COB-24V-3.0W-27K-16	16'-4" / 5M	255	95+	2700K	16'-4"
LTR-S-COB-24V-3.0W-30K-16	16'-4" / 5M	265	95+	3000K	16'-4"
LTR-S-COB-24V-3.0W-35K-16	16'-4" / 5M	275	95+	3500K	16'-4"
LTR-S-COB-24V-3.0W-40K-16	16'-4" / 5M	285	95+	4000K	16'-4"

Kelvin temperature (color) ±100K.
16'-4" and 98'-6" reel includes 48" lead affixed to tape. 16'-4" reel includes (3) ESTW-60 Sure-Tite connectors. 98'-6" reel includes (10) ESTW-60 Sure-Tite connectors.

DIMENSION

16'-4" (5M reel)
98'-6" (30M reel)

.39" (10mm)

Cuttable every 2" (51mm)

.039" (1mm)

EST SERIES CONNECTORS

.47" (12mm)

.47" (12mm)

ESTC-90

.66" (17mm)

.66" (17mm)

.31" (8mm) **EST SERIES**

ESTC-1

60" (1524mm)

ESTLK-60

60" (1524mm)

ESTW-60

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COMPATIBLE CONTROLLERS

Model	Description
SHWC	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage, see page 6-7
SHWD	LUXcontrol Smart 2.4 GHz WiFi Dimmer, Standard 12V/24V Low Voltage, see page 8
SWD-60W-24VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 60W, 24VDC see page 8
SWD-100W-24VDC-DIM	SwitchLD All-in-One Dimmer and Driver, 100W, 24VDC see page 8

RECOMMENDED DRIVERS

Catalog No.	Description	Watts	Specification Sheet
LD-ED-UNV	LineDrive Electronic Dimmable Power Supply, 12VDC or 24VDC	20W, 40W, 60W, 96W, 150W, 200W, 300W	View Spec Sheet
LD-E-UNV	LineDrive Electronic Non-Dimmable Power Supply, 12VDC or 24VDC	30W, 60W, 96W, 200W, 300W	View Spec Sheet
LD-MD-UNV	LineDrive Magnetic Dimmable Power Supply, 12VDC or 24VDC	30W, 60W, 96W, 150W, 200W, 300W	View Spec Sheet
LD-EDM	LineDrive Electronic Dimmable MINI Power Supply, 12VDC or 24VDC	60W	View Spec Sheet
LD-ED010	LineDrive Electronic Dimmable 0-10V Power Supply, 12VDC or 24VDC	60W, 96W	View Spec Sheet
LTP	Cord and Plug Power Supply, 12VDC or 24VDC	25W, 48W, 60W, 90W	View Spec Sheet
PSD	Electronic Dimmable Power Supply, 12VDC or 24VDC	15W, 24W, 60W, 90W	View Spec Sheet
Please see our website for updated power supply specifications and information.			

COMPATIBLE CHANNELS - FITS 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-8	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8'	
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

Catalog No.	Description	Length	Dimensions
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-8	Extra deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8'	
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

Catalog No.	Description	Length	Dimensions
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-8	Mini deep format extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8'	
LED-CHL-XD-MD-8-WH	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. White.	8'	
LED-CHL-XD-MD-8-B	Mini deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws. Black.	8'	
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

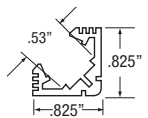| Catalog No.	Description	Length	Dimensions
LED-CHL-XD-MD-F	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-MD-F-WH	Mini deep format flanged extruded channel with flange. Includes snap-on frosted lens with mounting clips 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-8	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws.	8'	
LED-CHL-XD-MD-F-8-WH	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. White.	8'	
LED-CHL-XD-MD-F-8-B	Mini deep format extruded flanged channel with flange. Includes snap-on frosted lens with mounting clips and screws. Black.	8'	
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- FITS CONNECTORS ON PG. 1
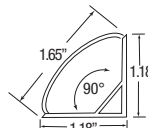
45º ANGLE MOUNT

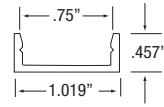| Catalog No.	Description		Dimensions
LED-CHL-45	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-45-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-MC	(2) Mounting clips and screws for LED-CHL-45	N/A	

45º LARGE ANGLE MOUNT

Catalog No.	Description		Dimensions
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

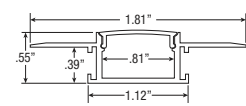| Catalog No.	Description		Dimensions
LED-CHL-W	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-W-8	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8'	
LED-CHL-W-AMC	(2) Adjustable mounting brackets for 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

Catalog No.	Description		Dimensions
LED-CHL-MI-ST8	8ft. Standard extruded aluminum mud-in channel. Includes snap-on frosted lens.	8'	
LED-CHL-MI-ST-EC	(2) End caps for LED-CHL-MI-ST8 one solid, one with hole.	N/A	

COMPATIBLE CHANNELS - SOLDERED LEADS ONLY

STANDARD STRAIGHT

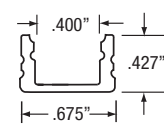| Catalog No.	Description		Dimensions
LED-CHL	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-8	Extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8'	
LED-CHL-AMC	(2) Adjustable mounting brackets for LED-CHL	N/A	
LED-CHL-EC	(2) End caps for LED-CHL - one solid, one with hole.	N/A	
LED-CHL-MC	(2) Additional mounting clips for LED-CHL	N/A	

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SHWC LUXCONTROL WIFI CONTROLLER

GROUP 1

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

SHWC
CONTROLLER

**GROUP MULTIPLE
CONTROLLERS IN THE
LUXCONTROL APP**

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

GROUP 2

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

SHWC
CONTROLLER

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

GROUP 3

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

SHWC
CONTROLLER

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

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L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

↓

SHWC
CONTROLLER

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

→

SHWC-RGBW-RPT
REPEATER

→

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

→

SHWC-RGBW-RPT
REPEATER

→

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

L N G

LineDrive **LD-E** Series
Non Dimmable
Power Supply

→

SHWC-RGBW-RPT
REPEATER

→

LTR-S SERIES LED TAPE

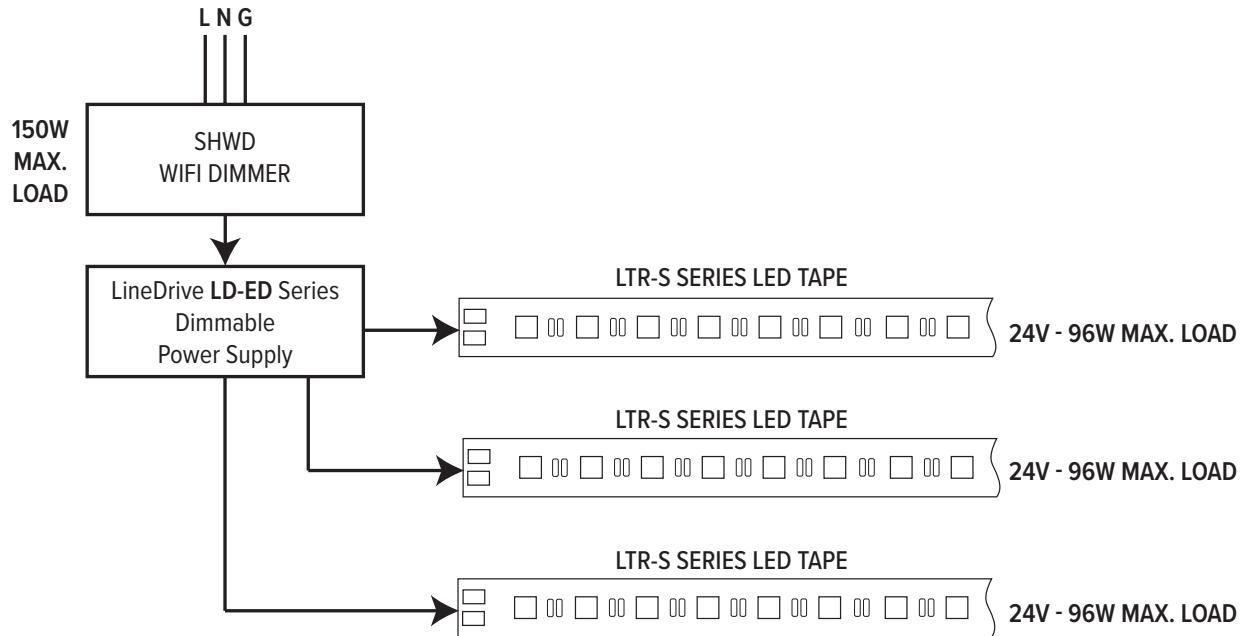**24V - 96W MAX. LOAD**

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**TO ADDITIONAL
REPEATERS AND
POWER SUPPLIES**

LTR-S Specification Series

1.5W / 3W COB (Chip On Board)
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SHWD LUXCONTROL WIFI DIMMER

L N G

150W MAX. LOAD

SHWD
WIFI DIMMER

LineDrive **LD-ED** Series
Dimmable
Power Supply

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

LTR-S SERIES LED TAPE

24V - 96W MAX. LOAD

SWITCHLD SWD DRIVER AND DIMMER

SWITCHLD - SWD
24VDC - see pg. 2

120VAC

L
N
G

24VDC

LTR-S SERIES LED TAPE

LTR-S SERIES LED TAPE