

LTR-S Specification Series

24VDC Tunable White CCT LED Tape Specification Sheet

GM Lighting®

Project Name

Type

Catalog #

Date

PRODUCT OVERVIEW

Tunable white enables light to be 'fine tuned' over a spectrum of white color temps, therefore allowing subtle to stark ambiance changes to match the mood, the event, or the subject illuminated. Our Tunable White LED Tape can be adjusted from 2400K to 5000K and dimmed down to 0.1%.

FEATURES

- 1.5W / 3W / 5W per foot
- Adjust color temp. from 2400K to 5000K
- 120° viewing angle
- Works with ChromaDim or LUXcontrol WiFi System
- Cutable every 2" (6 pairs of diodes)
- Custom cuts available - must use LTR-S-TUN connectors and applicable channels
- Flexible tape to tape and tape to power supply connectors available
- Maximum run on a given lead is 32'-8" (1.5W/3W), 16'-4" (5W)
- Mounts with 3M VHB™ double stick tape
- Available in 16'-4" (5M) reel or per foot

SPECIFICATIONS

ELECTRICAL

- 24V
- 1.5W / 3W / 5W per foot

OPTICS

- 90+ CRI

OPERATING TEMP

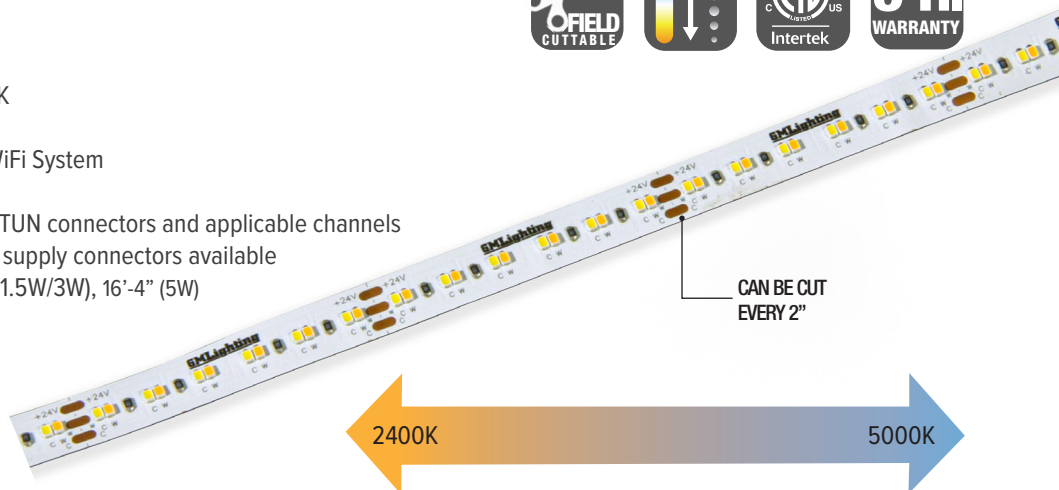
- -4°F to 122°F

CERTIFICATION

- ETL
- IP20
- Title 24 compliant when used with specific drivers. Consult factory.

WARRANTY

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



ORDERING INFORMATION

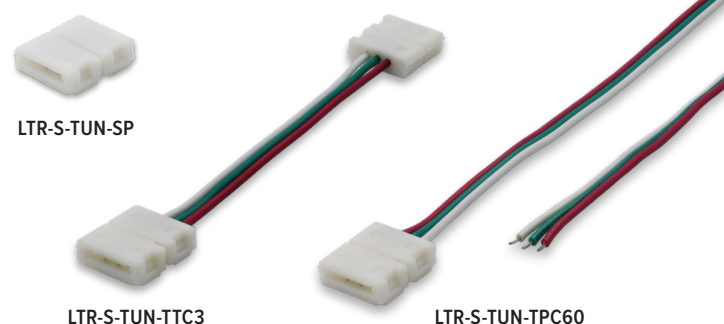
Model	Series	Type	Voltage	Wattage	Reel Length
LTR	S	TUN	24V	1.5W	16
				3.0W	100
				5.0W	FT

For recommended channels, see next page.

Reel Length: 16 = 16'-4", 100 = 98'-6", FT = enter length

ACCESSORIES

Model	Description
LTR-S-TUN-SP	LTR-S-TUN splice connector
LTR-S-TUN-TPC60	LTR-S-TUN 60" tape to power connector
LTR-S-TUN-TTC3	LTR-S-TUN 3" tape to tape connector
LTR-S-TUN-TTC12	LTR-S-TUN 12" tape to tape connector
LTR-S-TUN-TTC24	LTR-S-TUN 24" tape to tape connector
LTR-S-TUN-TTC36	LTR-S-TUN 36" tape to tape connector
LTR-S-TUN-TTC60	LTR-S-TUN 60" tape to tape connector



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CONTROLLERS

CHROMADIM SYSTEM

Catalog No.	Description
LTR-S-TUN-SYS	ChromaDim Tunable White Lighting System; Wall Controller and Driver
LTR-S-TUN-24V-90W	90W 24V Tunable White ChromaDim Driver

Note: ChromaDim System uses wall dimmer to control lighting.

LUXCONTROL WIFI SYSTEM

Catalog No.	Description
SHWC-CCT	LUXcontrol™ Smart 2.4GHz WiFi Controller, CCT 12V/24V Low Voltage, 2-Channel / 3-Wire
SHWC-RGBW-RPT	Universal Smart Power Repeater



Note: For SHWC-CCT controller, max. load is 100W at 24V for Class 2 operation. LUXcontrol and ChromaDim are two separate systems. They cannot be merged.

UNIVERSAL RF CONTROLLER

Catalog 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

Note: For HC-RF-UNV-5CH controller, max. load is 96W at 24V for Class 2 operation.

DRIVER + DIMMER 2 in 1 SWITCH

Catalog No.	Switch Plate Color	Function	Voltage Out	Watts
SWDC96W24VAL	AL (Almond)	Dimmer/Switch Color Tuning	24VDC	96W
SWDC96W24VBK	BK (Black)			
SWDC96W24VWH	WH (White)			



SWDC96W24VWH

RECOMMENDED DRIVERS

Catalog No.	Description	Watts
LD-XD-UNV (Series)	LineDrive Electronic Multi-Dimmable Power Supply, 24VDC	40W, 60W, 96W, 180W, 200W, 300W
LD-EDWP-UNV (Series)	LineDRIVE Wet Location Power Supplies, 24VDC	30W, 60W, 90W
LTP (Series)	Cord and Plug Power Supply, 24VDC	48W, 60W, 90W

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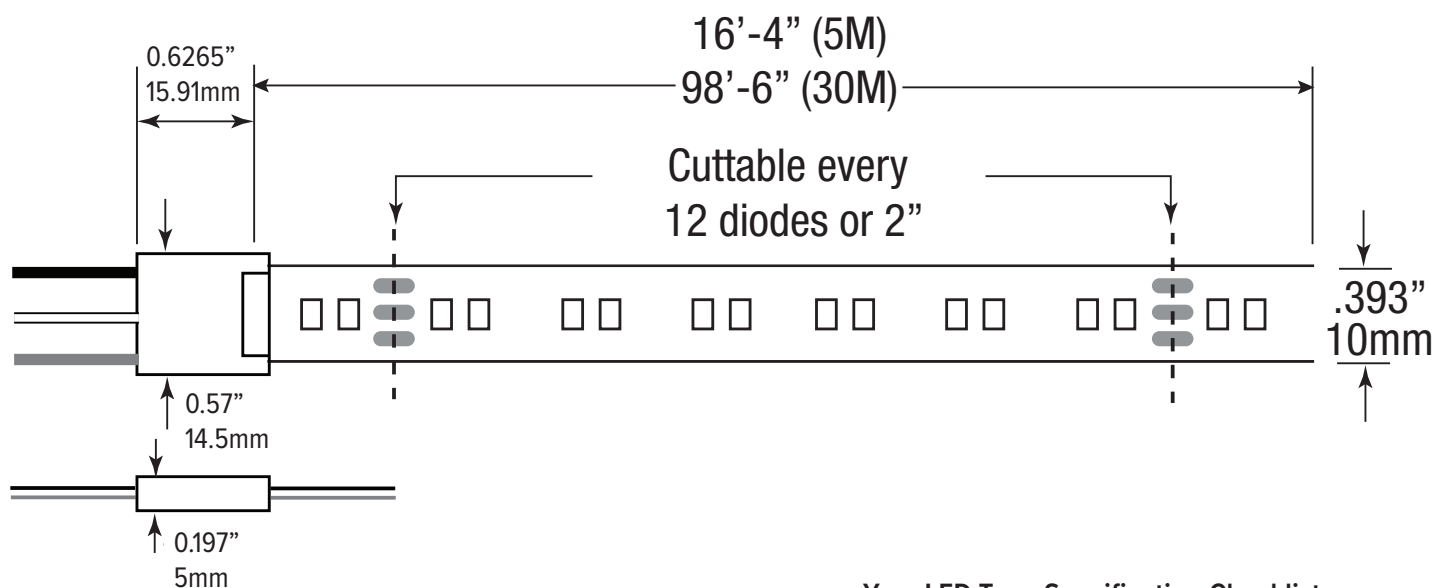
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Catalog No.	Length	Lumens	CRI	Color Temp.	Max. Run
LTR-S-TUN-24V-1.5W-16	16'-4" / 5M	162lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-3.0W-16	16'-4" / 5M	267lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-5.0W-16	16'-4" / 5M	415lm (3500K)	90+	2400-5000K	16'-4"
LTR-S-TUN-24V-1.5W-100	98'-6" / 30M	162lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-3.0W-100	98'-6" / 30M	267lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-5.0W-100	98'-6" / 30M	415lm (3500K)	90+	2400-5000K	16'-4"
LTR-S-TUN-24V-1.5W-FT	Per Foot	162lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-3.0W-FT	Per Foot	267lm (3500K)	90+	2400-5000K	32'-8"
LTR-S-TUN-24V-5.0W-FT	Per Foot	415lm (3500K)	90+	2400-5000K	16'-4"

Each 16'-4" and 98'-6" reels include 48" of lead affixed at start of reel. Connectors are not included and must be ordered separately.
Kelvin temperature (color) ±200K.

DIMENSIONS



Your LED Tape Specification Checklist:

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

INSTALL SHEET



SCAN ME

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COMPATIBLE CHANNELS - (fits LTR-S-TUN 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	

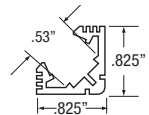
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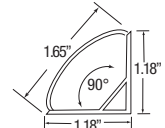


COMPATIBLE CHANNELS cont. - (fits LTR-S-TUN connectors on pg. 1)

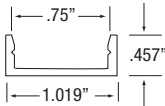
45° ANGLE MOUNT

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	

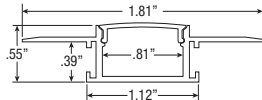
45° LARGE ANGLE MOUNT

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	

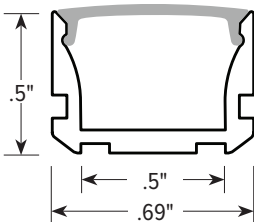
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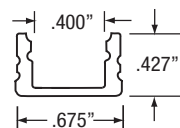
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COMPATIBLE CHANNELS - SOLDERED LEADS ONLY

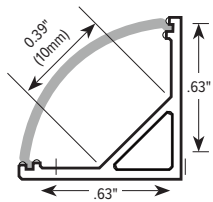
STANDARD STRAIGHT

Catalog No.	Description		Dimensions
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	

STANDARD STRAIGHT

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

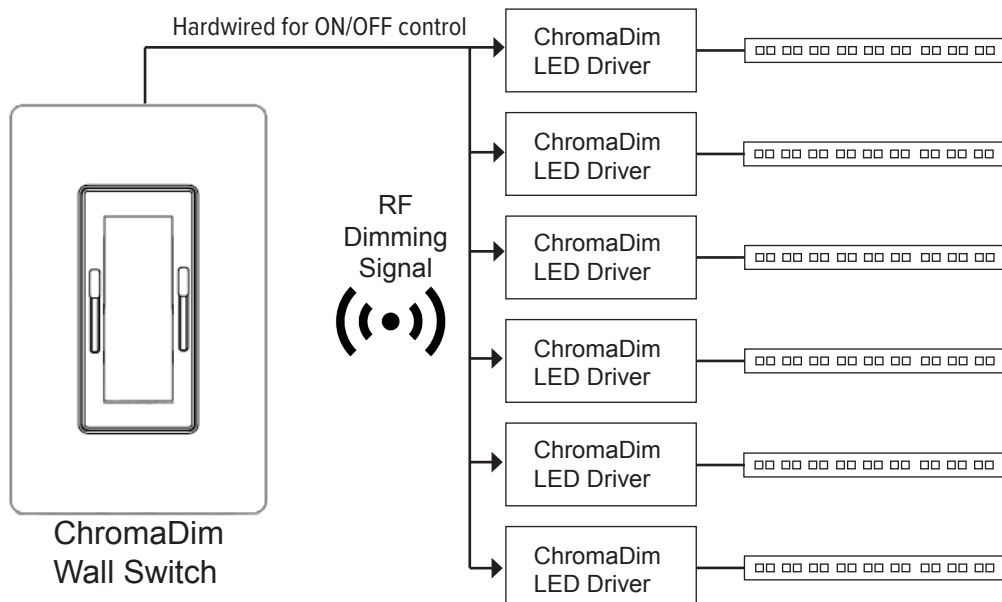
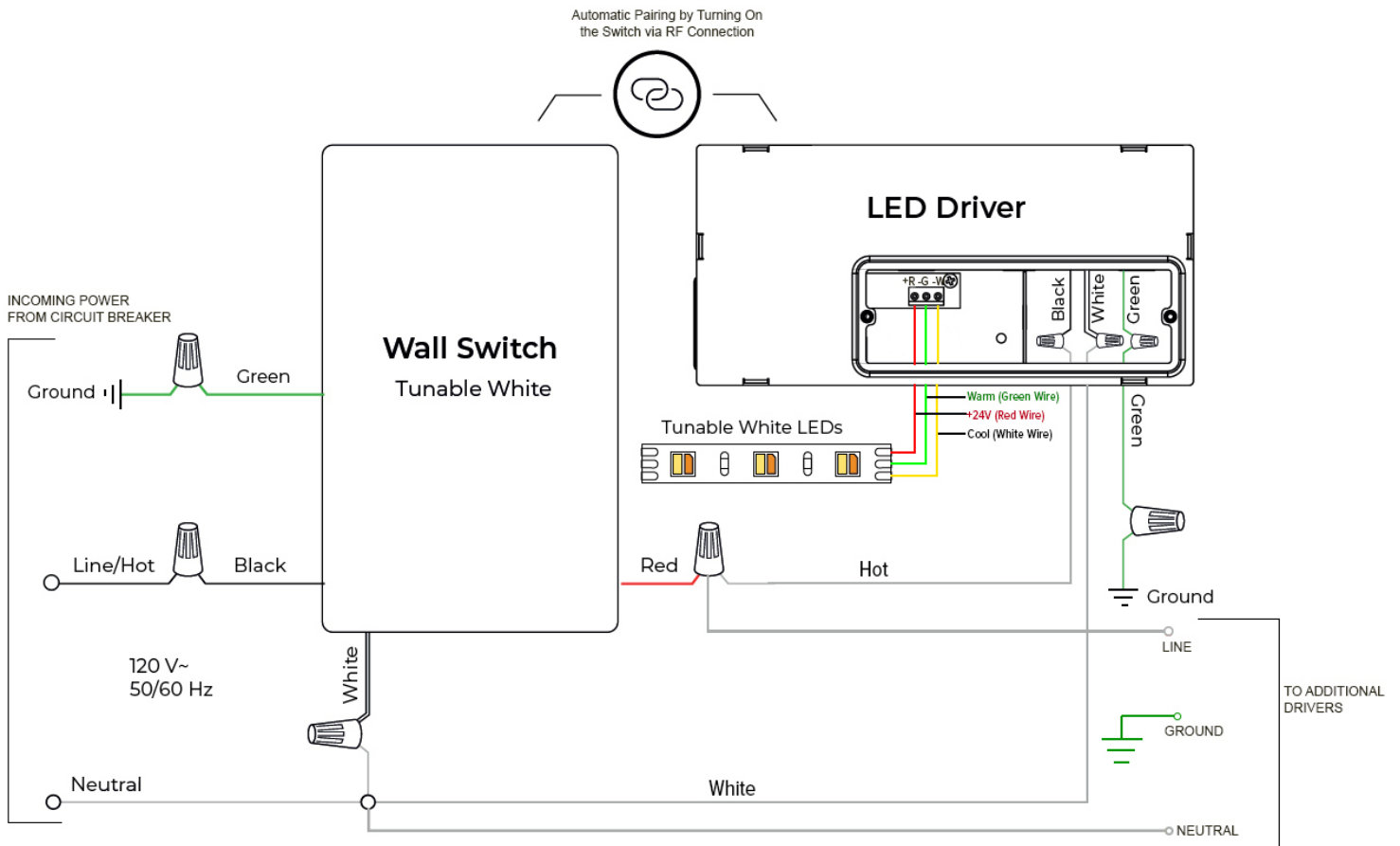
LED-CHL-45-MINI	Extruded angled (45°) silver channel. Includes snap-on white lens with (2) mounting clips and (2) screws.	4'	
LED-CHL-45-MINI-B	Extruded angled (45°) black channel. Includes snap-on white lens with (2) mounting clips and (2) screws.	4'	
LED-CHL-45-MINI-EC	(2) End caps for LED-CHL-45-MINI: 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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ChromaDim WIRING DIAGRAM



Note: All drivers will work in sync. (1) Wall Controller can pair with (6) drivers max.

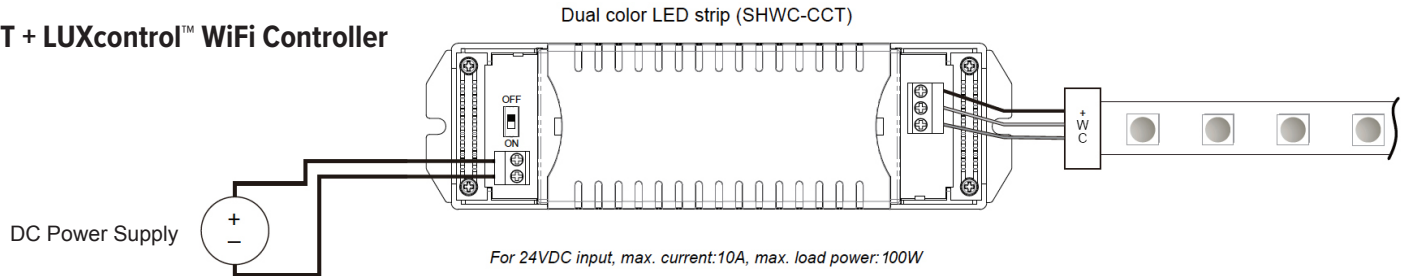
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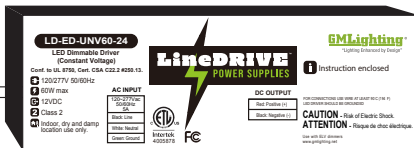
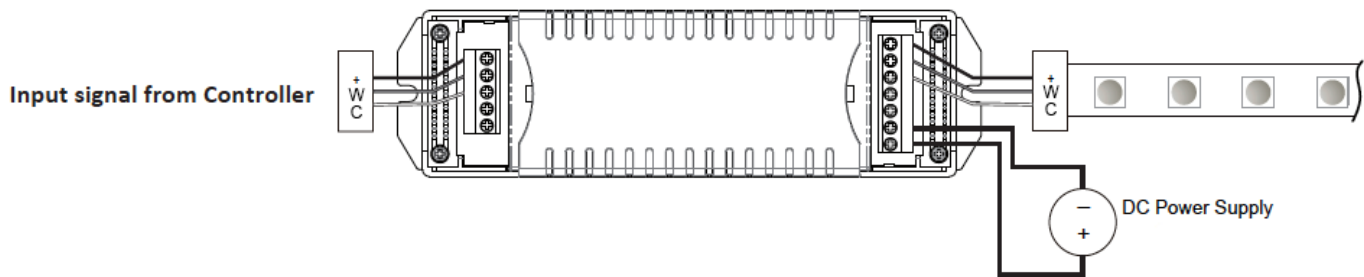
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LUXcontrol WIRING DIAGRAM

CCT + LUXcontrol™ WiFi Controller

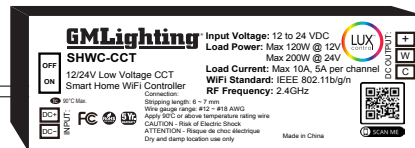


SHWC-CCT and Repeater Wiring Dual color connection (CCT, 2 channels)



24V LineDRIVE™ Power Supply

Note: For use with 24V LD-E (non-dimmable) or LD-ED (dimmable) power supply only. Not compatible with LD-MD (magnetic) power supply.



LUXcontrol™ CCT Controller



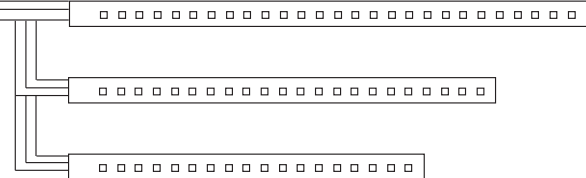
LUXcontrol™ App

Remote WiFi Control



Router Signal

LEDtask™ CCT LED Tape

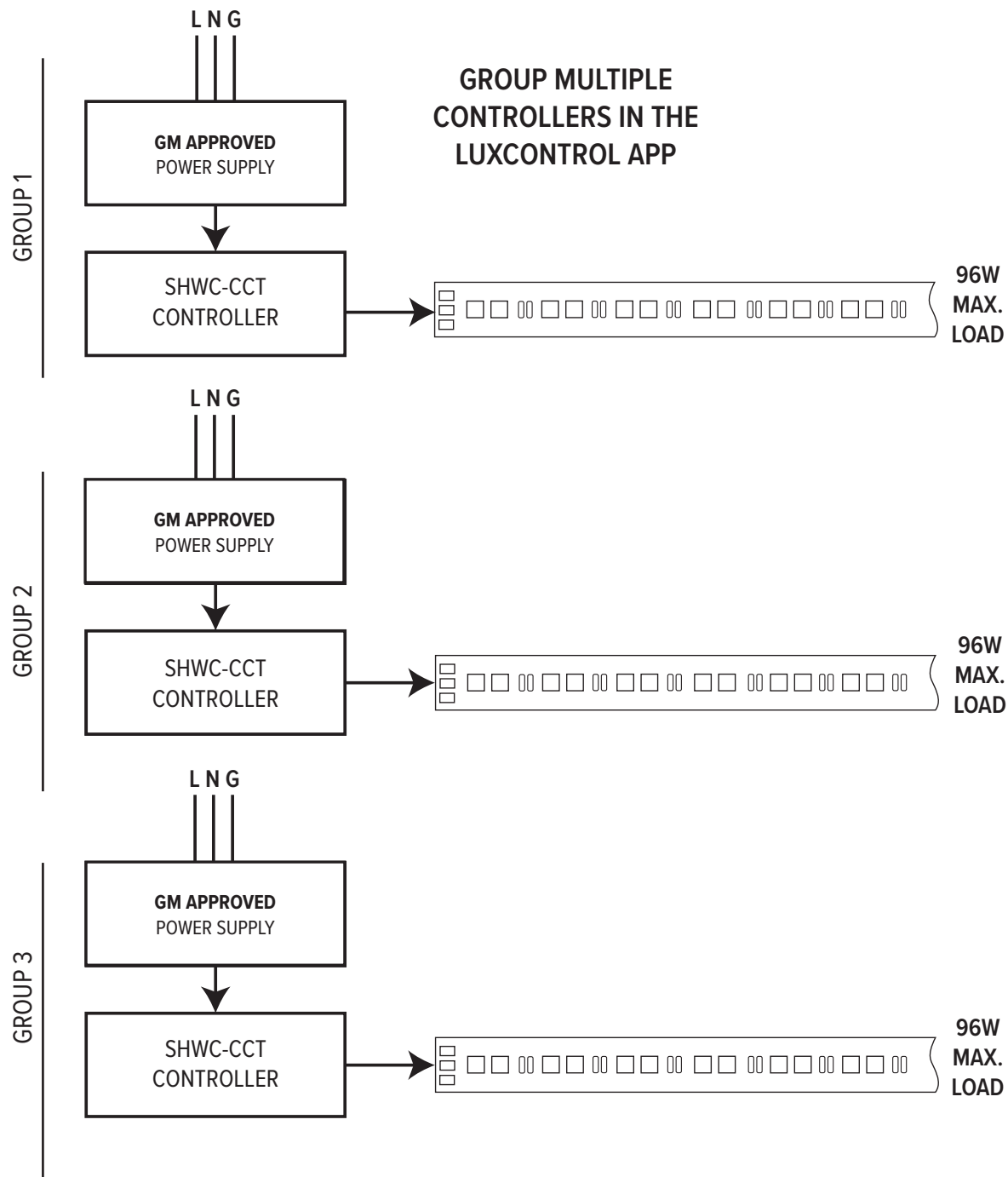


Expandable with universal power repeater (SHWC-RGBW-RPT) for larger projects

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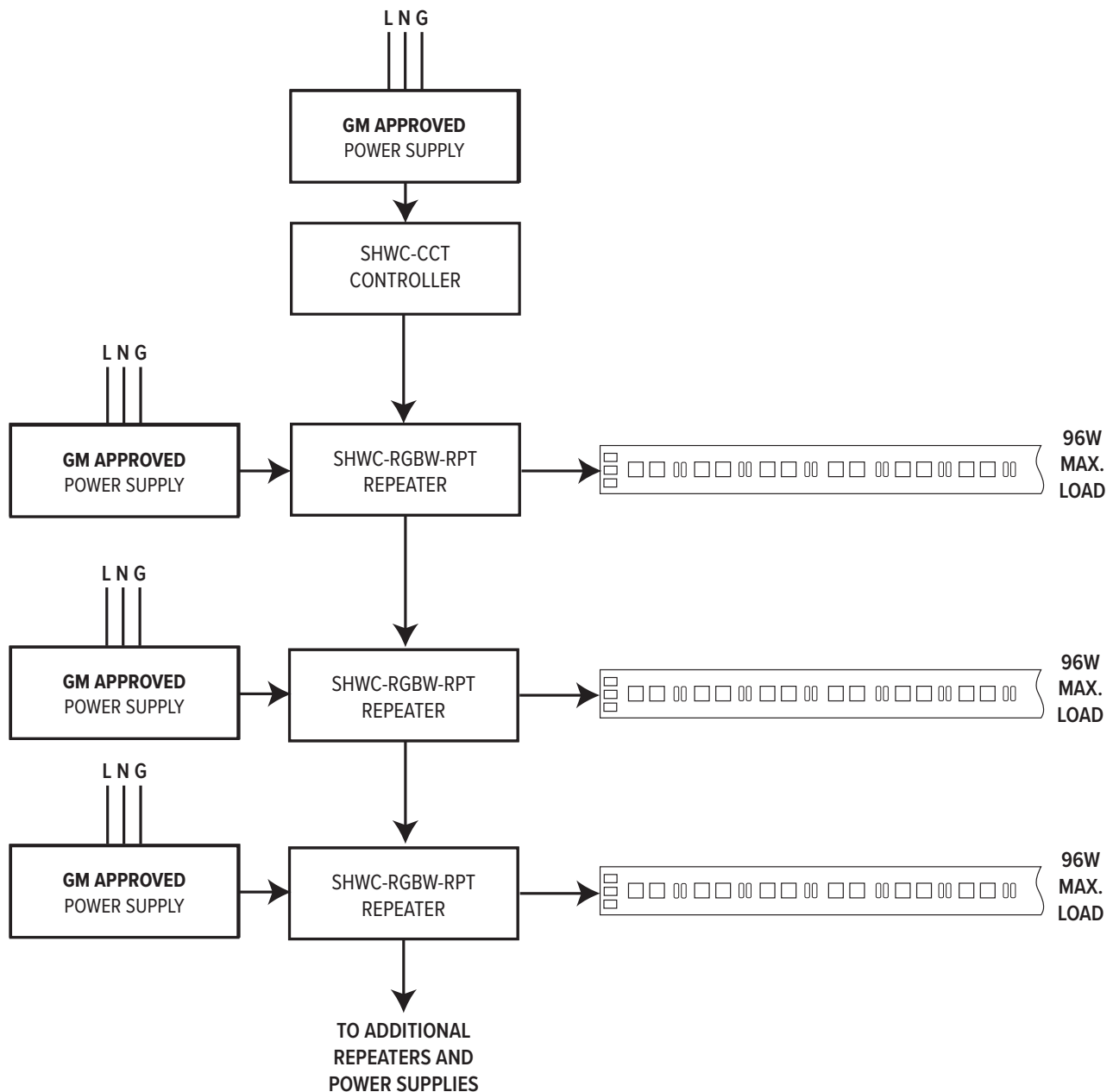
SHWC-CCT LUXCONTROL WIFI CONTROLLER WIRING DIAGRAM



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SHWC-CCT LUXCONTROL WIFI CONTROLLER WITH POWER REPEATER WIRING DIAGRAM



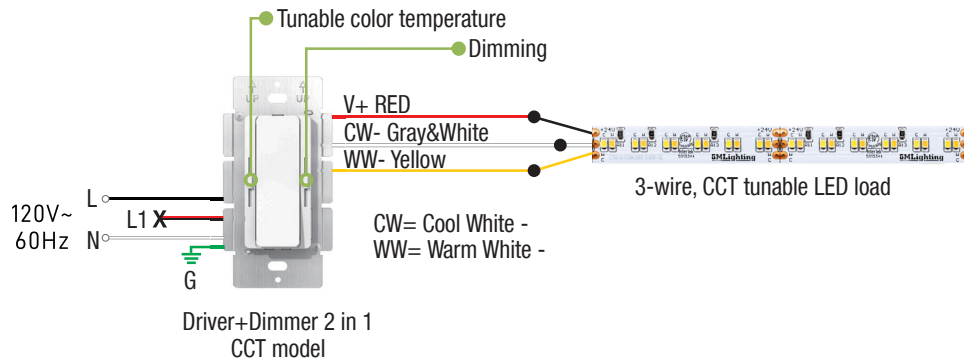
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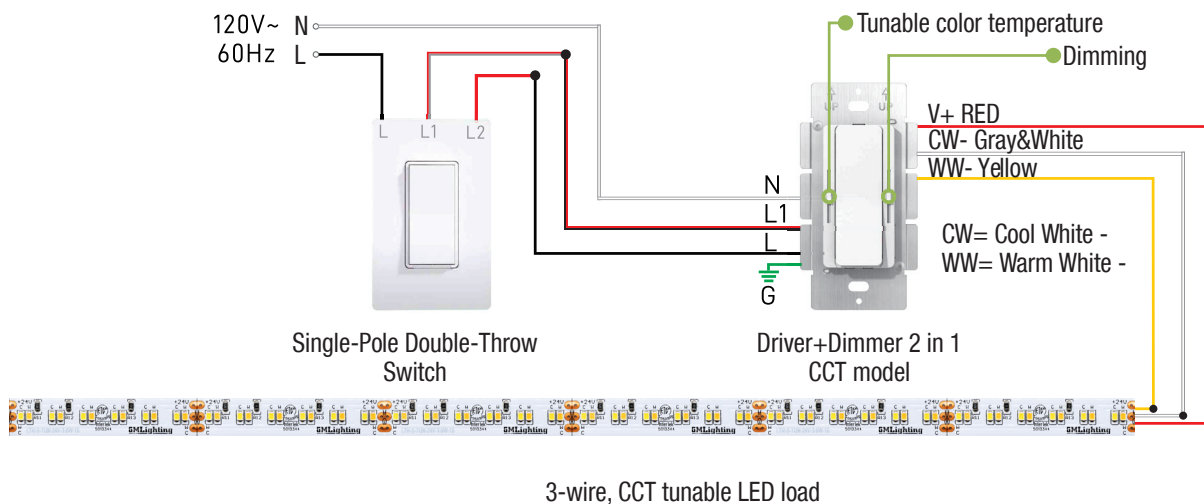
SWITCH LD WIRING DIAGRAMS

WIRING DIAGRAM: Single pole switch, tunable CCT output



WIRING DIAGRAM: 3-way switch, tunable CCT output

NOTE: Only one SWD Driver+Dimmer unit can be used in a 3-way circuit



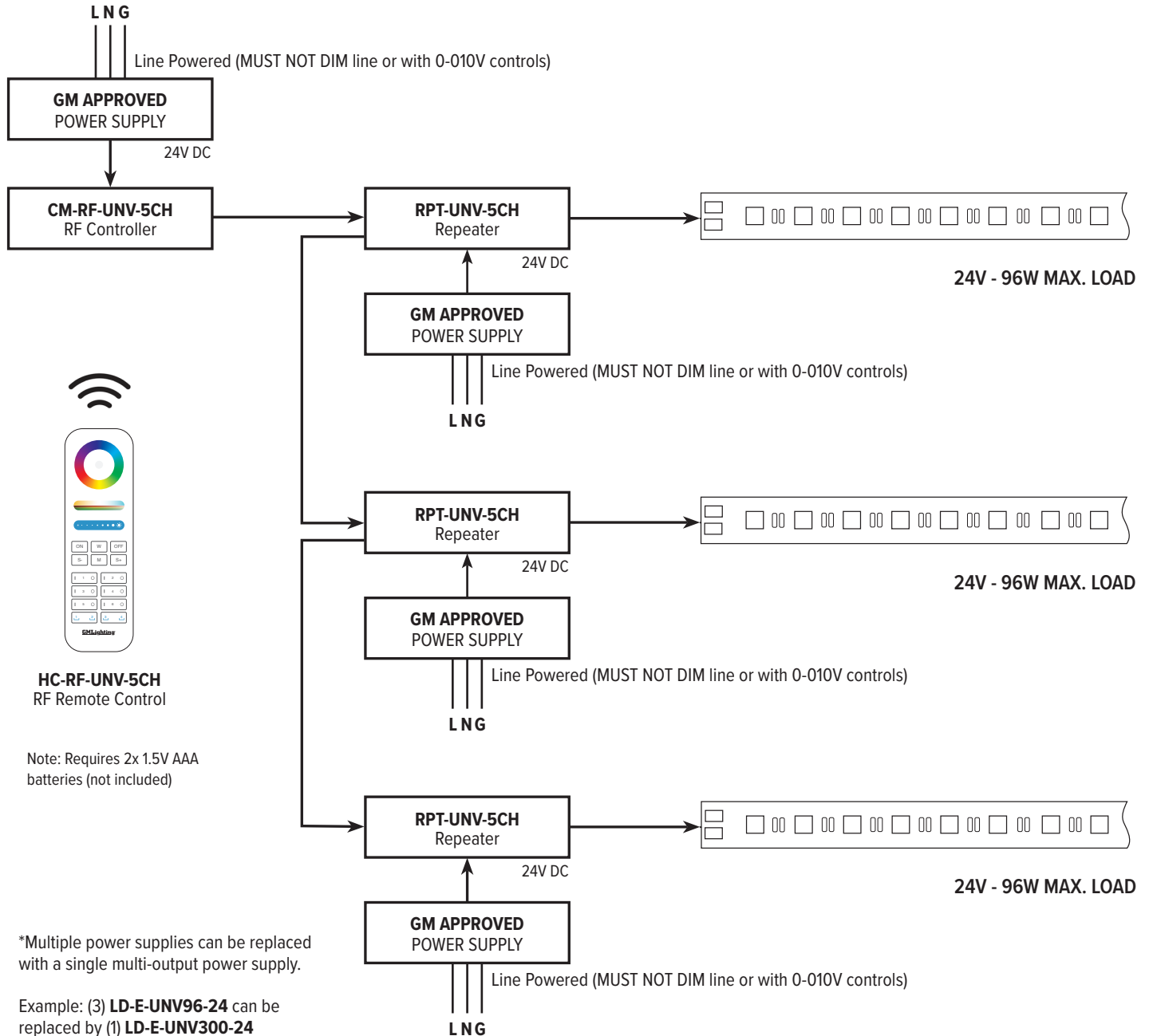
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RF CONTROLLER WIRING DIAGRAM

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.



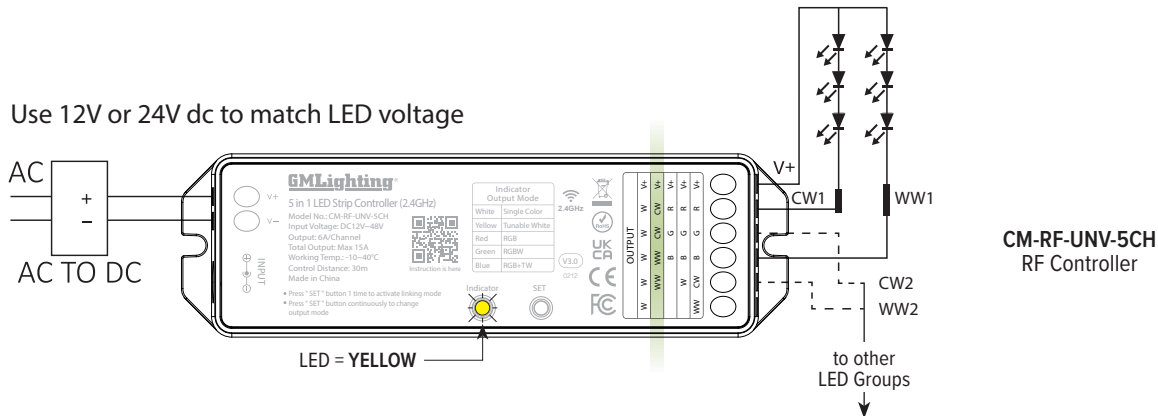
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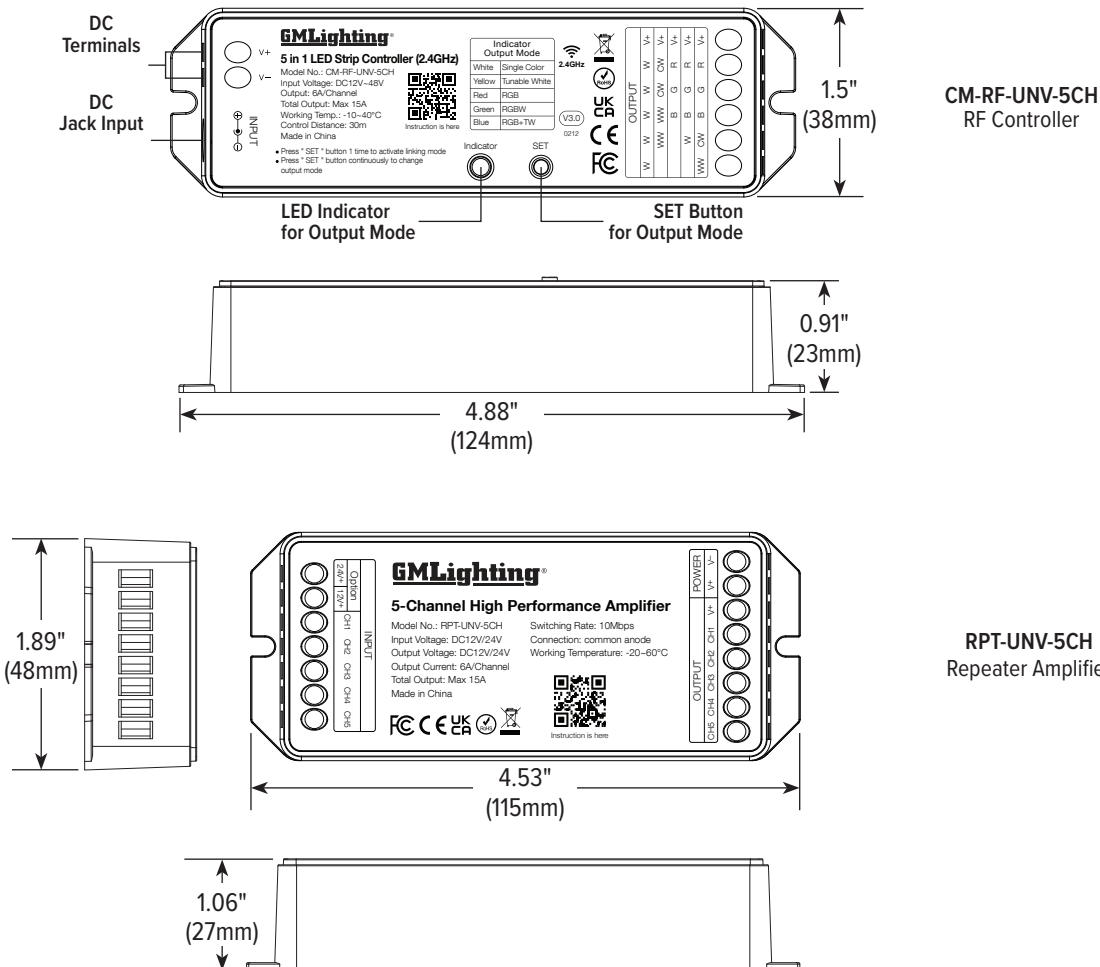
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RF REMOTE CONTROLLER AND REPEATER

Use 12V or 24V dc to match LED voltage



DIMENSIONS



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RF HAND HELD REMOTE FEATURES AND DIMENSIONS

