LTR-S Specification Series

24VDC RGBW Wet Location
LED Tape Specification Sheet

GMLighting ®

Project Name	Type
Catalog #	Date

PRODUCT OVERVIEW

GM's RGBW is a quantum leap beyond RGB. With the addition of a 3000K White element, a virtually unlimited palette of color and brightness is enabled. For general activity use, utilize the white light component. Designed for outdoor (wet) location high quality light illumination. Available in 16'-4" (5M) or 32'-8" (10M) reels.

Icons: LUX control • 24 VOLT • WET LOCATION • CLASS 2 • CLOSET • RGBW • FIELD CUTTABLE • UL c us • 5 Yr. WARRANTY

FEATURES

- RGB with 3000K White 4-in-One LED chip
- Wet (outdoor) location
- Cuttable every 4"
- Cut and cap only
- Custom lengths available - consult factory
- 60 LED's / meter
- 120° viewing angle
- 3M adhesive back
- Maximum run on a given lead is 32'-8"

SPECIFICATIONS

ELECTRICAL

- 24V
- 3W per foot

OPERATING TEMP

- -4°F to 122°F

NOTE: WET LOCATION IS NON-JOINABLE IN THE FIELD.
CUT AND CAP ONLY. RUN NOT TO EXCEED MAX. RUN LENGTH.

CERTIFICATION

- UL
- Class 2
- Closet Rated

WARRANTY

- 5-year warranty when paired with GM power supply.
  Note: 24V non-dimming power supply required.

ORDERING INFORMATION

Example: LTR-S-24V-WP-3.0W-RGBW-16

Model	-	Series	-	Voltage	Location	Wattage	Type	Reel Length
LTR		S		24V	WP	3.0W	RGBW	16
LTR		S		24V	WP	3.0W	RGBW	32

ACCESSORIES

Model	Description
RGBW-WP-TPC60	RGBW wet location, tape to power connector
RGBW-WP-TTC3	RGBW wet location, tape to tape connector

Your LED Tape Specification Checklist:

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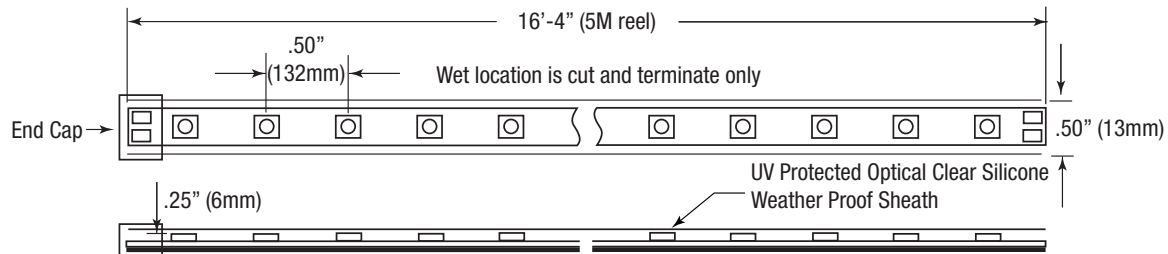
INSTALL SHEET

SCAN ME

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Catalog No.	Length	Wattage / ft.	Lumens in 3000K mode only	Type	Max. Run
LTR-S-24V-WP-3.0W-RGBW-16	16'-4" / 5M	3W	210	RGBW-WP	32'-8"
LTR-S-24V-WP-3.0W-RGBW-32	32'-8" / 10M	3W	210	RGBW-WP	32'-8"
Kelvin temperature (color) ±100K. 16'-4" reel includes 24" lead affixed to tape. RGBW-WP includes 48" lead affixed to tape and a cut and cap kit.					

DIMENSION

16'-4" (5M reel)

.50" (132mm)

Wet location is cut and terminate only

End Cap →

.50" (13mm)

.25" (6mm)

UV Protected Optical Clear Silicone Weather Proof Sheath

0.75"

1.125"

0.25"

All wet location connectors are factory installed only

RGBW-WP-TTC3
RGBW Wet Location 3" Tape to Tape Connector

COMPATIBLE CONTROLLERS

Model	Description
SHWC-RGBW	LUXcontrol Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage, RGBW, 4-Channel / 5-Wire, see page 8
SHWC-RGBW-RPT	LUXcontrol Universal Smart Power Repeater, see page 9
RGBW-RWC	RGBW controller/amp with battery-powered remote, see page 5
RGBW-RP	RGBW repeater, see page 6
DMX-LT-995	5-Channel DMX Decoder 12/24VDC 6A x 5CH 30A, see page 10
RGBW-DMX-WC	DMX Wall Controller, see page 10

RECOMMENDED DRIVERS

Catalog No.	Description	Watts	Weight	Dimensions
LD-E-UNV30	12VDC / 24VDC - 30W - 120V or 277V - 50/60Hz 12V/2.5A - 24V/1.25A - Class 2 Auto reset.	30W	1.0 lbs.	6.10"L x 3.35"W x 1.33"H
LD-E-UNV60	12VDC / 24VDC - 60W - 120V or 277V - 50/60Hz 12V/5A - 24V/2.5A - Class 2 Auto reset.	60W	2.5 lbs.	8.25"L x 4.10"W x 1.56"H
LD-E-UNV96-24	24VDC - 96W - 120V or 277V - 50/60Hz - 4 amps Class 2 - Auto reset.	96W	2.5 lbs.	8.25"L x 4.10"W x 1.56"H
LD-E-UNV200-24	24VDC - 192W - 120V or 277V - 50/60Hz - 4 amps per channel (2) Class 2 - Auto reset. 2 X 96W channel.	192W	4.7 lbs.	9.50"L x 6.35"W x 1.56"H
LD-E-UNV300-24	24VDC - 288W - 120V or 277V - 50/60Hz - 4 amps per channel (3) Class 2 - Auto reset. 3 X 96W channel.	288W	4.7 lbs.	9.50"L x 6.35"W x 1.56"H
Please see our website for updated power supply specifications and information.				

CORD AND PLUG DRIVERS

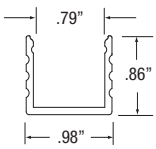| Catalog No.	Description	Watts	Weight	Dimensions
LTP24-48	24VDC - 48W - 2 amps - 120V - 120V Cord (72") and plug. Short circuit, overload protection - LED indicator for power on. UL listed	48W	1.8 lbs.	4.68"L x 2.05"W x 1.25"H
LTP24-90	24VDC - 90W - 3.75 amps - 120V - 120V Cord (72") and plug. Short circuit, overload protection - LED indicator for power on. UL listed	90W	1.8 lbs.	4.68"L x 2.05"W x 1.25"H
Please see our website for updated power supply specifications and information.				
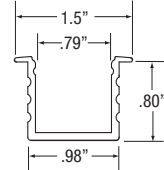
COMPATIBLE CHANNELS - (fit RGBW-WP connectors on pg. 1)
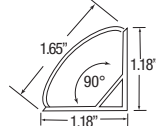
EXTRA DEEP

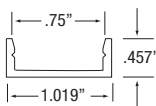| Catalog No.	Description	Length	Dimensions
LED-CHL-XD	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	
LED-CHL-XD-8	Extra deep format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	8'	.79" / .86" / .98"
LED-CHL-XD-AMC	(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'	1.5" / .79" / .80" / .98"
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	

45º LARGE ANGLE MOUNT

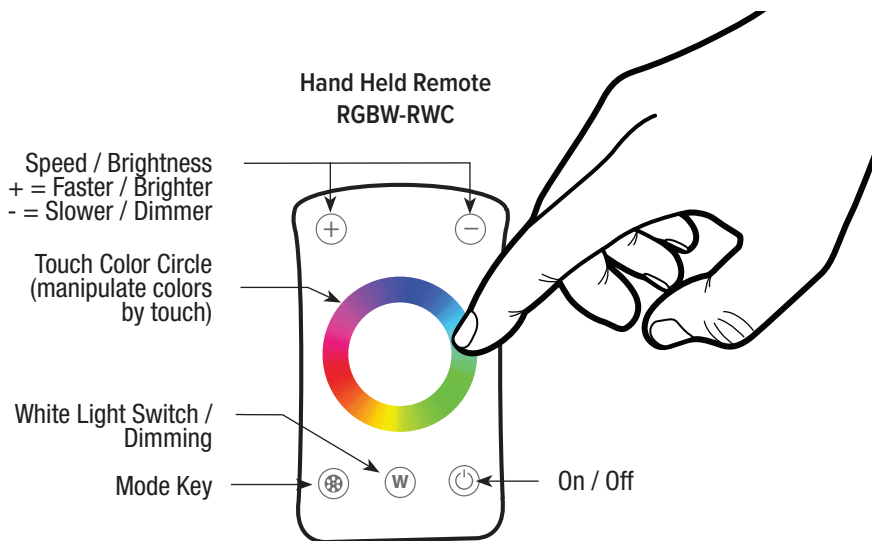| Catalog No.	Description	Length	Dimensions
LED-CHL-45-1200	Extruded angled (45°) channel. Includes snap-on frosted lens with mounting clips and screws.	4'	1.65" / 1.18" / 90° / 1.18"
LED-CHL-45-1200-EC	(2) End caps for LED-CHL-45 - one solid, one with hole	N/A	
LED-CHL-45-1200-MC	(2) Additional mounting clips for LED-CHL-45-1200	N/A	

WIDE

Catalog No.	Description	Length	Dimensions
LED-CHL-W	Wide format extruded channel. Includes snap-on frosted lens with mounting clips and screws.	4'	.75" / .457" / 1.019"
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	

LTR-S Specification Series

24VDC RGBW Wet Location
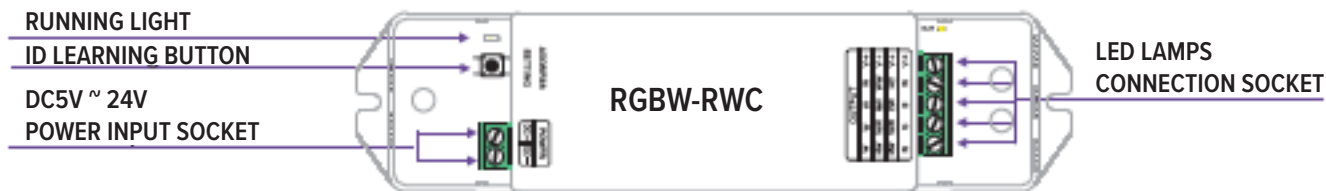## LED Tape Specification Sheet

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RGBW-RWC HAND-HELD REMOTE CONTROLLER

CR2032
Battery
Included

Handheld
remote comes
with controller

RoHS

RGBW-RP
Repeater

Hand Held Remote
RGBW-RWC

Speed / Brightness
+ = Faster / Brighter
- = Slower / Dimmer

Touch Color Circle
(manipulate colors
by touch)

White Light Switch /
Dimming

Mode Key

On / Off

No.	Mode	Instruction
1	Static Red	Brightness Adjustable
2	Static Green	Brightness Adjustable
3	Static Blue	Brightness Adjustable
4	Static Yellow	Brightness Adjustable
5	Static Purple	Brightness Adjustable
6	Static Cyan	Brightness Adjustable

No.	Mode	Instruction
7	Static White	Brightness Adjustable
8	RGB Skipping	Speed/ Brightness Adjustable
9	7 Color Skipping	Speed/ Brightness Adjustable
10	RGB Color Smooth	Speed/ Brightness Adjustable
11	Full Color Smooth	Speed/ Brightness Adjustable
12	Static Black	White light can be turn off and adjusted

RUNNING LIGHT
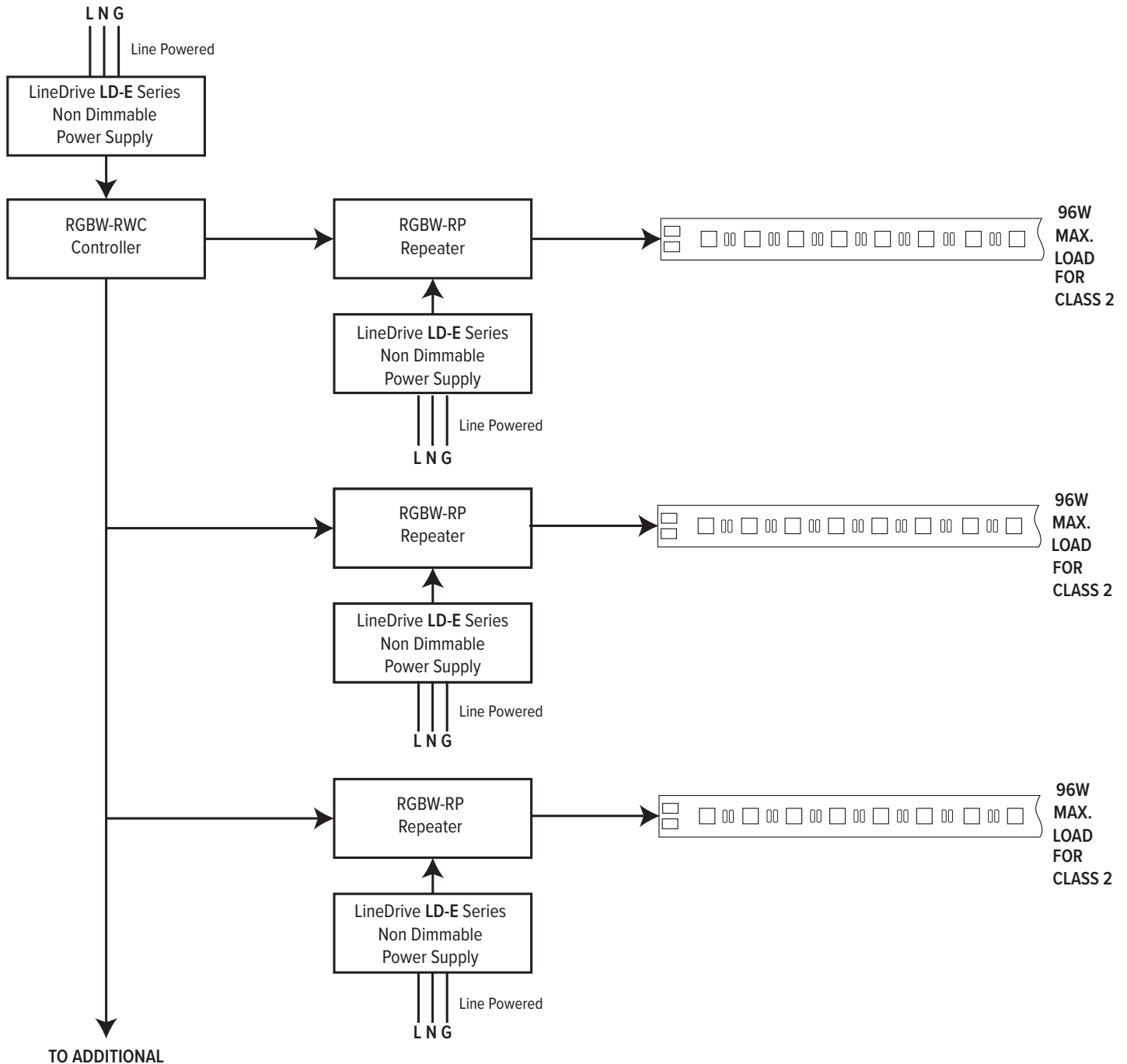
ID LEARNING BUTTON

DC5V ~ 24V
POWER INPUT SOCKET

RGBW-RWC

LED LAMPS
CONNECTION SOCKET

LTR-S Specification Series

24VDC RGBW Wet Location
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RGBW-RWC HAND-HELD REMOTE CONTROLLER
WIRING DIAGRAM

SHWC-RGBW UXCONTROL WIFI CONTROLLER

RGBW color LED strip (SHWC-RGBW)

24VDC LD-E POWER SUPPLY

SHWC-RGBW and Repeater Wiring
RGBW connection (4 channels)

Input signal from Controller

24VDC LD-E POWER SUPPLY
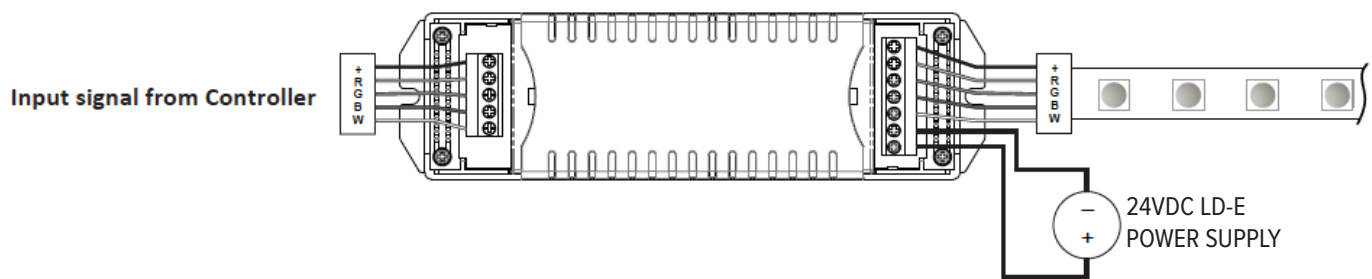
LineDRIVE™ Power Supply

LUXcontrol™ Controller

LEDtask™ LED Tape

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

Remote WiFi Control

LUXcontrol™ App

Router Signal

Note: For use with LD-E (non-dimmable) or LD-ED (dimmable) power supply only. Not compatible with LD-MD (magnetic) power supply.
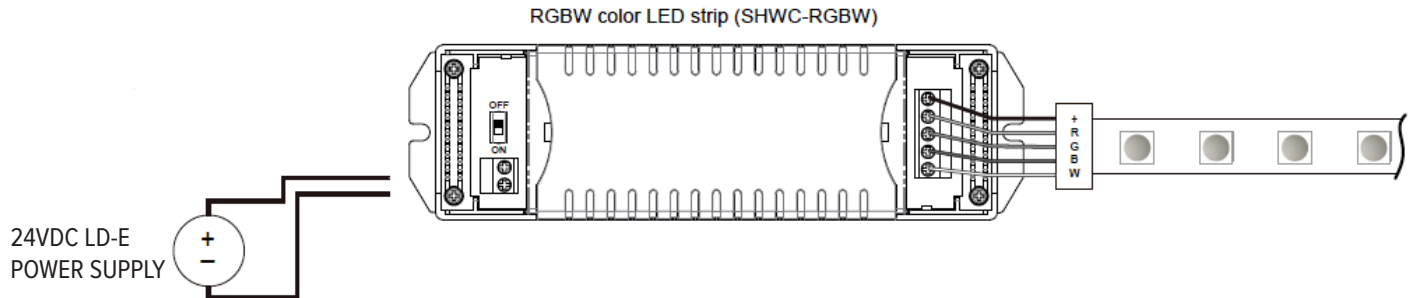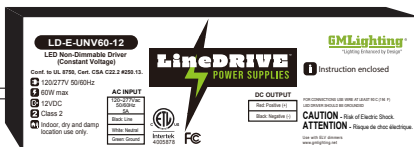
LTR-S Specification Series

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SHWC-RGBW LUXCONTROL WIFI CONTROLLER
WIRING DIAGRAM
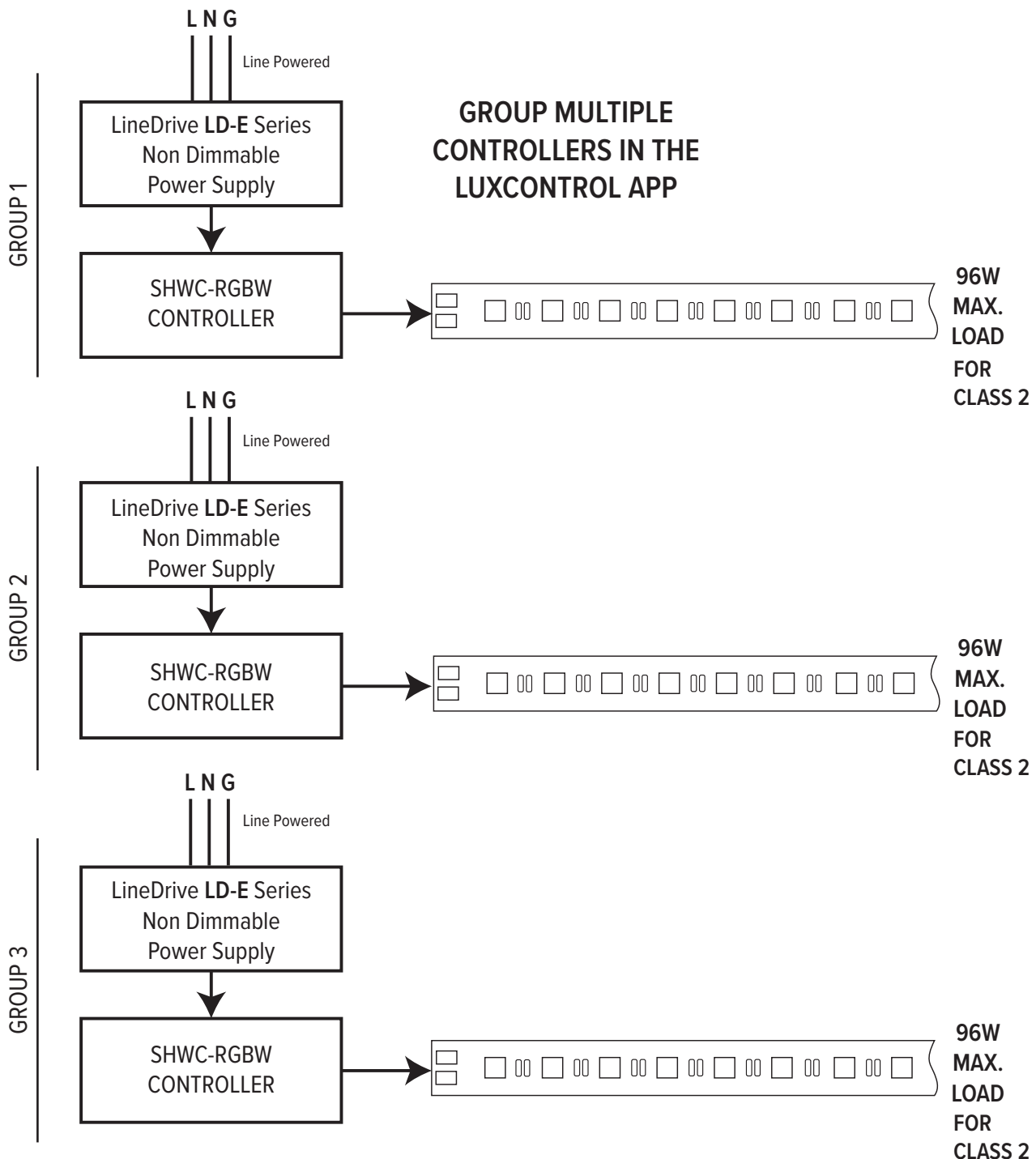
L N G
Line Powered

GROUP 1

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

GROUP MULTIPLE CONTROLLERS IN THE LUXCONTROL APP

SHWC-RGBW
CONTROLLER

96W MAX. LOAD FOR CLASS 2

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GROUP 2

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

SHWC-RGBW
CONTROLLER

96W MAX. LOAD FOR CLASS 2

L N G
Line Powered

GROUP 3

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

SHWC-RGBW
CONTROLLER

96W MAX. LOAD FOR CLASS 2

LTR-S Specification Series

24VDC RGBW Wet Location
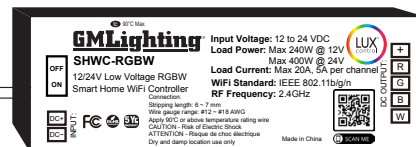## LED Tape Specification Sheet
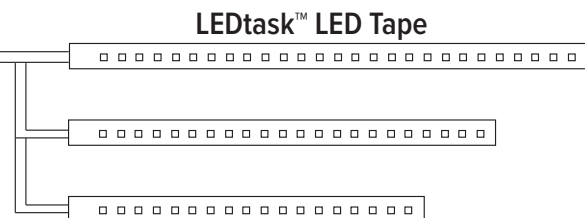
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SHWC-RGBW LUXCONTROL WIFI CONTROLLER WITH POWER REPEATER WIRING DIAGRAM

THIS CONFIGURATION WILL SHOW UP AS ONE GROUP IN THE LUXCONTROL APP

L N G
Line Powered

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

SHWC-RGBW CONTROLLER

L N G
Line Powered

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

SHWC-RGBW-RPT REPEATER

96W MAX. LOAD FOR CLASS 2

L N G
Line Powered

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

SHWC-RGBW-RPT REPEATER

96W MAX. LOAD FOR CLASS 2

L N G
Line Powered

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

SHWC-RGBW-RPT REPEATER

96W MAX. LOAD FOR CLASS 2

TO ADDITIONAL REPEATERS AND POWER SUPPLIES

LTR-S Specification Series

24VDC RGBW Wet Location
LED Tape Specification Sheet

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RGBW-DMX-WC DMX WALL CONTROLLER WIRING DIAGRAM

RGBW-DMX-WC
Controller

DMX-LT-995
Decoder

96W MAX. LOAD FOR CLASS 2

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

Line Powered

L N G

DMX-LT-995
Decoder

96W MAX. LOAD FOR CLASS 2

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

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L N G

DMX-LT-995
Decoder

96W MAX. LOAD FOR CLASS 2

LineDrive **LD-E** Series
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Power Supply

Line Powered

L N G

TO ADDITIONAL REPEATERS AND POWER SUPPLIES

DMX WALL CONTROLLER
RGBW-DMX-WC

Red Channel

Green Channel

RGBW Color Wheel

Blue Channel

White Channel

Select Warm White, Natural White and Cool White

ON/OFF

Increase/Decrease Brightness

Play/Pause the 10 built-in effects

1   2   3

Choose Zone