Vision120™ RGBW

3W Indoor and Outdoor Flexible LED Tape Specification Sheet

GMLighting ®

PRODUCT OVERVIEW

The V120-RGBW is the newest addition in the Vision120™ series. With a wealth of color options, RGBW is the next generation of color changing technology for indoor & outdoor applications. Vision120™ RGBW is a wet location flexible LED linear tape that can be factory cut and configured to your specifications.

(Badges: LUX control • RGBW • WET LOCATION • IP65 • 120 VOLT • FACTORY CONFIGURED • 90+ CRI • cETLus Intertek • 3 Yr. WARRANTY)

FEATURES

- RGB + 3000K White light
- Indoor or outdoor (IP65)
- Dimmable (via WiFi controller)
- 120° viewing angle
- Power feed, connector & mounting options available
- Works with GM LUXcontrol™ App and controller
- Factory cuts and configurations for quick and easy installation (Cuttable every 12")
- Tape encased in the water-resistant clear poly flexible sheath (UV protected)
- Maximum run: 150ft (Limit of 4 sections for maximum run Consult factory for other combinations)

SPECIFICATIONS

ELECTRICAL
- 120V
- 3 watts per foot
- SHWC-V120-RGBW controller (required)

OPTICS
- 90+ CRI

CERTIFICATION
- IP65
- ETL

OPERATING TEMP
- -4 to 122°F (-20 to +50°C)

WARRANTY
- 3-year warranty
- Do not install in an application that is not easily accessed for service

ORDERING INFORMATION

Example: V120-RGBW-xx

Model	-	Series	-	Length	Description
V120	-	RGBW	-	xx	120V RGBW LED tape, 3W per ft., Wet location

Note: Each run includes endcap and inline fuse. For layouts and configurations, visit www.gmlighting.net

RED – 625-630nm / 23lm, GREEN – 520-525nm / 38lm, BLUE – 465-470nm / 9lm, WHITE 3000K – 41lm, COMBINED – 109lm

ACCESSORIES

Model	Description
V120-RGBW-CHL4	120V RGBW LED tape aluminum mounting channel, 4ft. (3M tape supplied)
V120-RGBW-CHL6	120V RGBW LED tape aluminum mounting channel, 6ft. (3M tape supplied)
V120-RGBW-CHL-LENS4	120V RGBW LED tape channel lens, 4ft. (indoor and *outdoor)
V120-RGBW-CHL-LENS6	120V RGBW LED tape channel lens, 6ft. (indoor and *outdoor)
V120-RGBW-MC	120V RGBW LED tape white plastic mounting clip, bag of 20
V120-RGBW-TTC6	120V RGBW 6in flexible LED tape to tape, UV cured connector
V120-RGBW-TTC12	120V RGBW 12in flexible LED tape to tape, UV cured connector
V120-RGBW-TTC18	120V RGBW 18in flexible LED tape to tape, UV cured connector
V120-RGBW-TTC24	120V RGBW 24in flexible LED tape to tape, UV cured connector
V120-RGBW-PCHW8	120V RGBW Hardwire 8ft. flexible LED tape to controller connector, UV cured
V120-RGBW-CHL-ECC	Endcap covers for PCHW8 and endcap
V120-RGBW-CHL-ECCTT	Endcap covers for TTC series
V120-3M-VHB-15	3M VHB tape 1/2" x 15ft

Your Space Just Got Smarter

(LUX control logo)
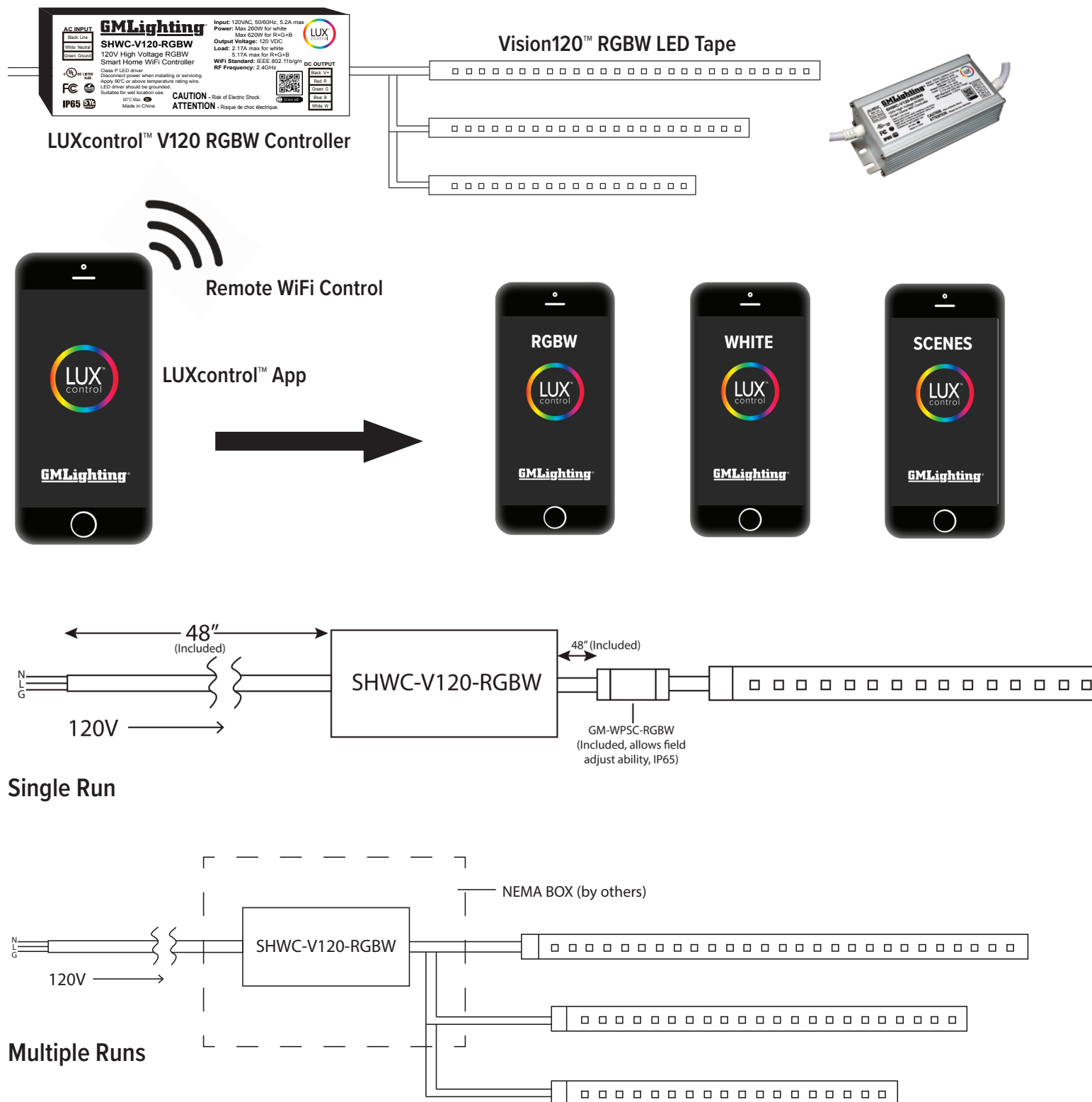
CONTROLLERS

Model	Description
SHWC-V120-RGBW	Smart 2.4 WiFi Controller, RGBW 120V High Voltage, IP65, 4-Channel / 5-Wire, 3000K White
GM-WPSC-RGBW	RGBW wet location 5-wire splice connector (included with SHWC-V120-RGBW)

* Warranty does not cover wear and tear from outdoor extreme environments (finishes, plastic & lens degradation).

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WIRING DIAGRAM

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SHWC-V120-RGBW
120V High Voltage RGBW
Smart Home WiFi Controller

AC INPUT
Black: Line
White: Neutral
Green: Ground

Class P LED driver
Disconnect power when installing or servicing.
Apply 90°C or above temperature rating wire.
LED driver should be grounded.
Suitable for wet location use.
90°C Max.
Made in China

CAUTION - Risk of Electric Shock.
ATTENTION - Risque de choc électrique.

Input: 120VAC, 50/60Hz, 5.2A max
Power: Max 260W for white
Max 620W for R+G+B
Output Voltage: 120 VDC
Load: 2.17A max for white
5.17A max for R+G+B
WiFi Standard: IEEE 802.11b/g/n
RF Frequency: 2.4GHz

DC OUTPUT
Black: V+
Red: R
Green: G
Blue: B
White: W

LUXcontrol™ V120 RGBW Controller

Vision120™ RGBW LED Tape

Remote WiFi Control

LUXcontrol™ App

RGBW   WHITE   SCENES

Single Run

48" (Included)

120V →

SHWC-V120-RGBW

48" (Included)

GM-WPSC-RGBW
(Included, allows field adjust ability, IP65)

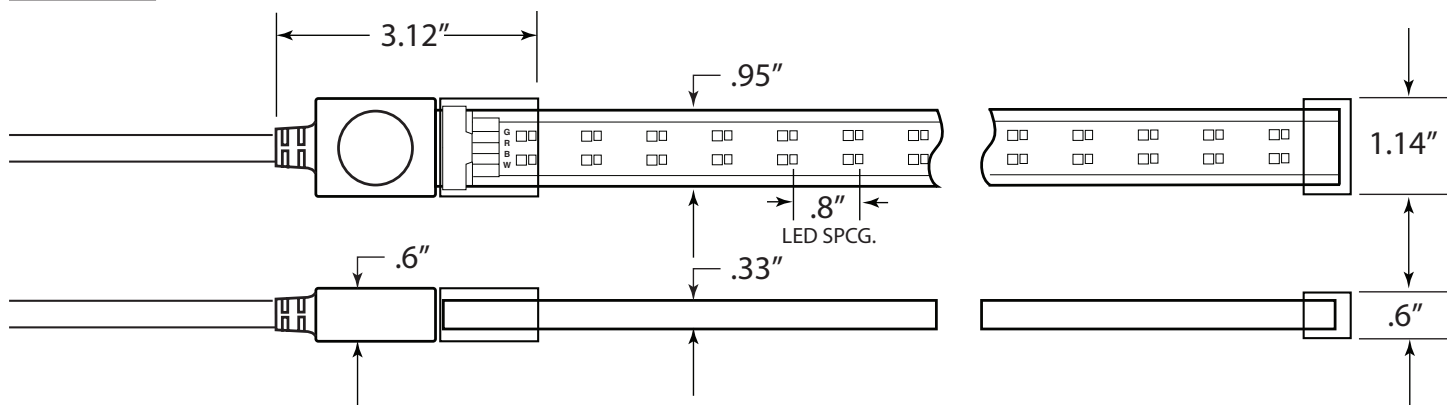**Multiple Runs**

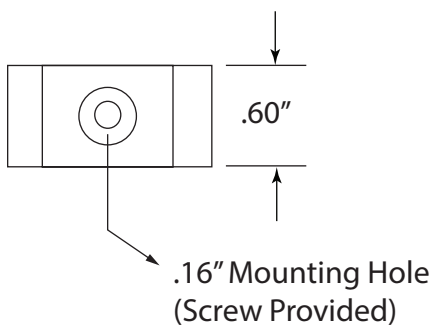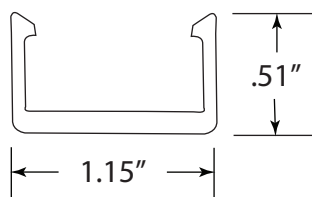NEMA BOX (by others)

120V →

SHWC-V120-RGBW

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DIMENSIONS

V120-RGBW-MC Mounting Clips

.51″
1.15″
.60″

.16″ Mounting Hole (Screw Provided)

Channel Accessories

1.40″
1.25″
2.10″
1″
.16″ Dia.

1.40″
2.10″
2.93″

Power Feed Cable Slot

V120-RGBW-CHL 4ft. / 6ft

4′ / 6′
1.3″

V120-RGBW-CHL-LENS 4ft. / 6ft.

1.3″
1.25″

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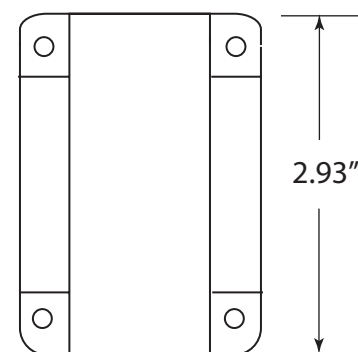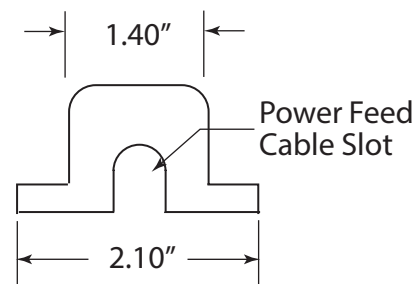## 3W Indoor and Outdoor Flexible LED Tape Specification Sheet

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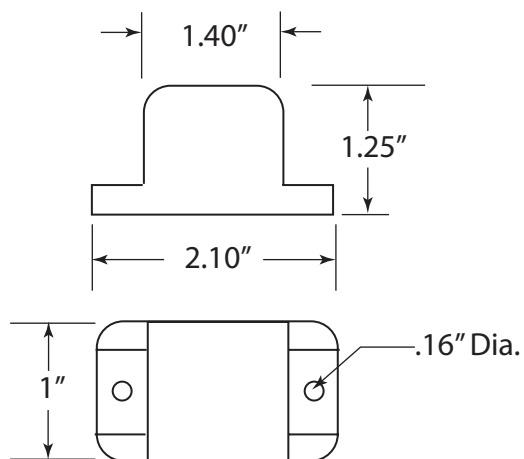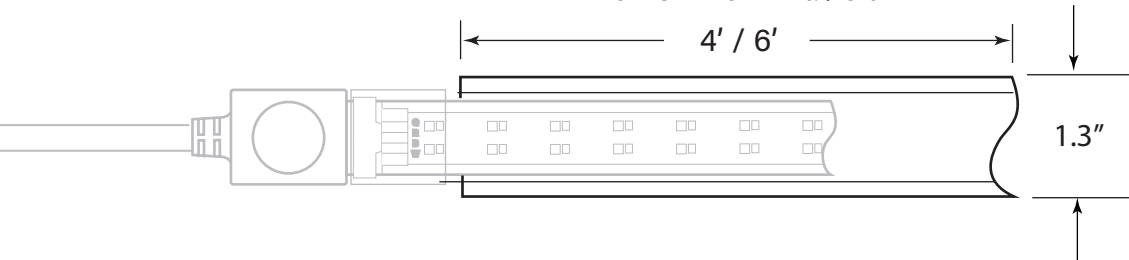### DIMENSIONS

5.125″

2.625″

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AC INPUT
Black: Line
White: Neutral
Green: Ground

SHWC-V120-RGBW
120V High Voltage RGBW
Smart Home Controller

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Max 620W for R+G+B
Output Voltage: 120 VDC
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LUX

DC OUTPUT
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Red: R
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Blue: B
White: W

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90°C Max

IP65   Made in China

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1.5″

GM-WPSC-RGBW

V120-RGBW TAPE

NEMA ENCLOSURE (RECOMMENDED) OR JUNCTION BOX BY OTHERS FOR OUTDOOR APPLICATIONS

Trim to needed length

4″

WATERPROOF CONNECTOR

1.2″