

NeoVisionMini

24VDC Neon LED Tape Specification Sheet

PRODUCT OVERVIEW

Narrow profile LED with curvable Side-Flex is a 4mm wide slim profile LED neon light designed for flexible and dynamic lighting applications. It features a horizontal bend capability, allowing for versatile installation in intricate designs. Designed for applications that require ultra-rich light and color saturation. Available in 2700K, 3000K, and 4000K White LEDs, providing a range of color temperatures suitable for various lighting needs. The well-diffused light output ensures even, soft, and eye-friendly illumination. IP65 waterproof standards, ensuring durability and suitability for both indoor and outdoor use.

FEATURES

- Designed for simple field assembly
- 4mm W X 8mm H
- Tape encased in UV resistant silicone
- Dimmable
- White and color LED options
- 120° viewing angle
- Maximum run: 16'4", custom cuts available - see factory

SPECIFICATIONS

ELECTRICAL

- 24VDC
- 2W per foot

PHOTOMETRIC

- White: 2700K, 3000K
or 4000K at 90+ CRI, 9>50

CERTIFICATION

- cULus
- IP65

ENVIRONMENTAL

- Outdoor & wet location rated
- UV resistant
- Ambient operating temp:
-4°F to +104°F (-20°C to +40°C)

WARRANTY

- 5 years

GM Lighting®

**24
VOLT****IP
65****5Yr
WARRANTY**

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Specification Sheet

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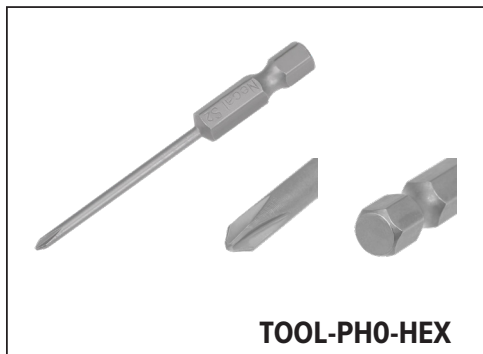
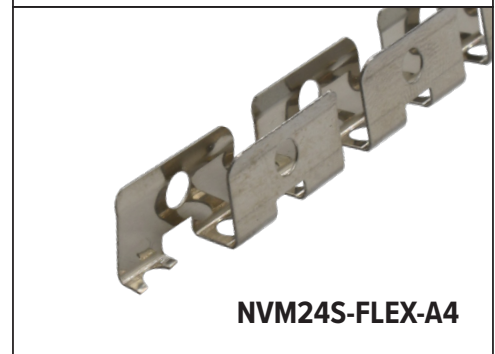
ORDERING INFORMATION

Example: NVM24S-2W-27K-16

Catalog No.	Watts/Ft Max.	Color Temp	Lumens/Ft	Max. Run
NVM24S-2W-27K-16	2W	2700K	70 Lm	16 ft 4 in
NVM24S-2W-30K-16	2W	3000K	68 Lm	16 ft 4 in
NVM24S-2W-40K-16	2W	4000K	59 Lm	16 ft 4 in
NVM24S-2W-AM-16	2W	Amber (590nm pk)	14 Lm	16 ft 4 in
NVM24S-2W-BL-16	2W	Blue (470nm pk)	13 lm	16 ft 4 in
NVM24S-2W-GR-16	2W	Green (519nm pk)	59 lm	16 ft 4 in
NVM24S-2W-OR-16	2W	Orange (610nm pk)	15 lm	16 ft 4 in
NVM24S-2W-RD-16	2W	Red (630nm pk)	7 lm	16 ft 4 in

ACCESSORIES

Catalog No.	Description
NVM24S-EC	End Cap, Molded Silicone (sealant not included)
NVM24S-MC-A	Back Mounting Clips, Aluminum (20 clips, 20 SS screws)
NVM24S-CHL-A4	Rigid Channel, Aluminum, 4ft
NVM24S-FLEX-CHL	Flexible Channel, Stainless Steel, 1m 105 holes & screws
TAPE-DS-VHB-4MMW	4mm wide x 6m VHB tape
TOOL-PH0-HEX	PH0 Philips head, 1/4" hex drive bit



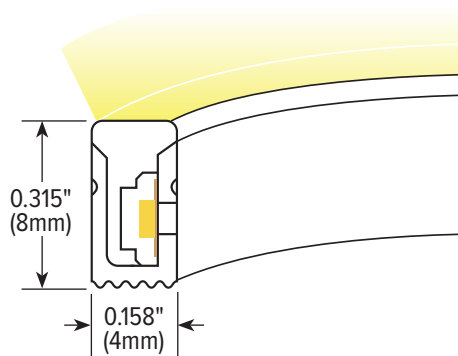
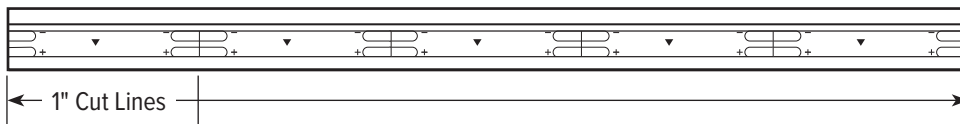
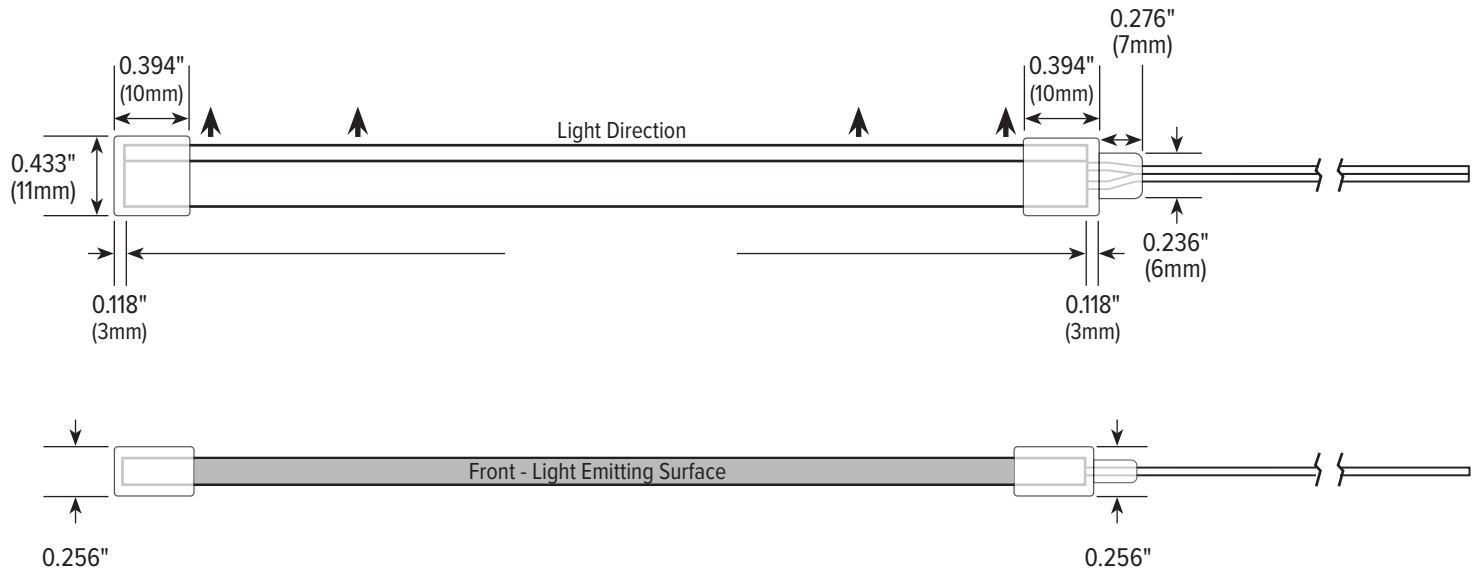
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24VDC Neon LED Tape

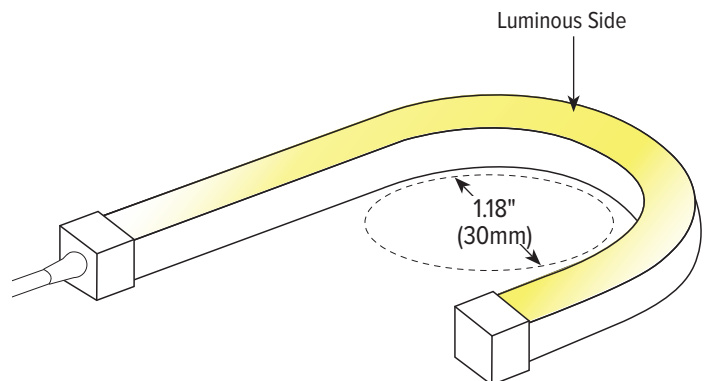
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DIMENSIONS

NVM24S-2W



NVM24S
Cross Section



NVM24S
Minimum Bending Diameter

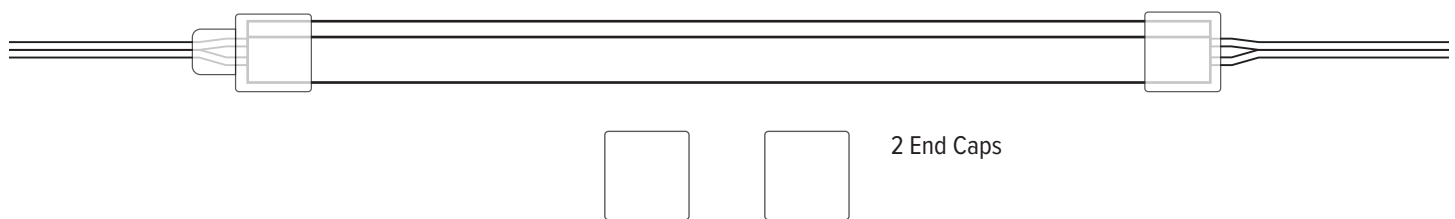
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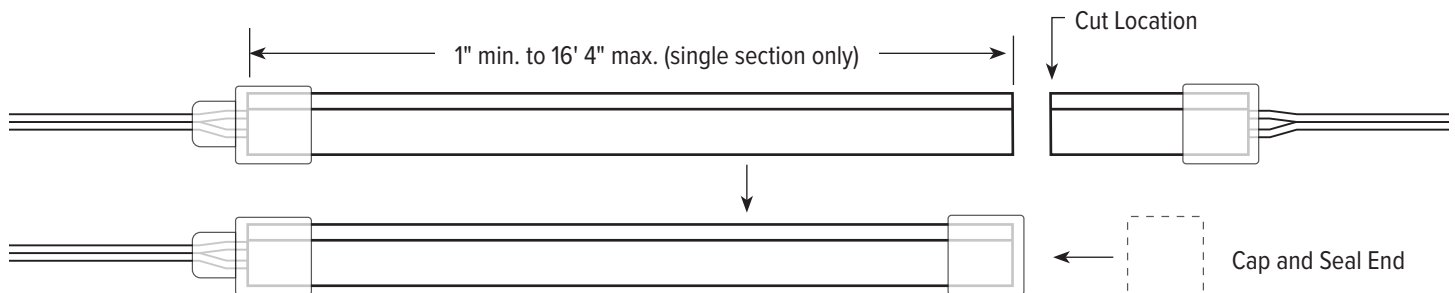
Specification Sheet

FIELD ASSEMBLY

- Field assembly is simple with the NeoVision Mini Neon tape. Adjust to fit with 1" cut increments.
- Parts Included: Full length reel is 16'-6". 4' power feed at each end. 2x feeds. 2 end caps.
- One reel can make 1 or 2 cut sections. An extra 2" is included to allow for cut end sections.
- Field assembly includes cutting and sealing of the non-powered ends only. Power feed assembly is for factory only - no field assembly.

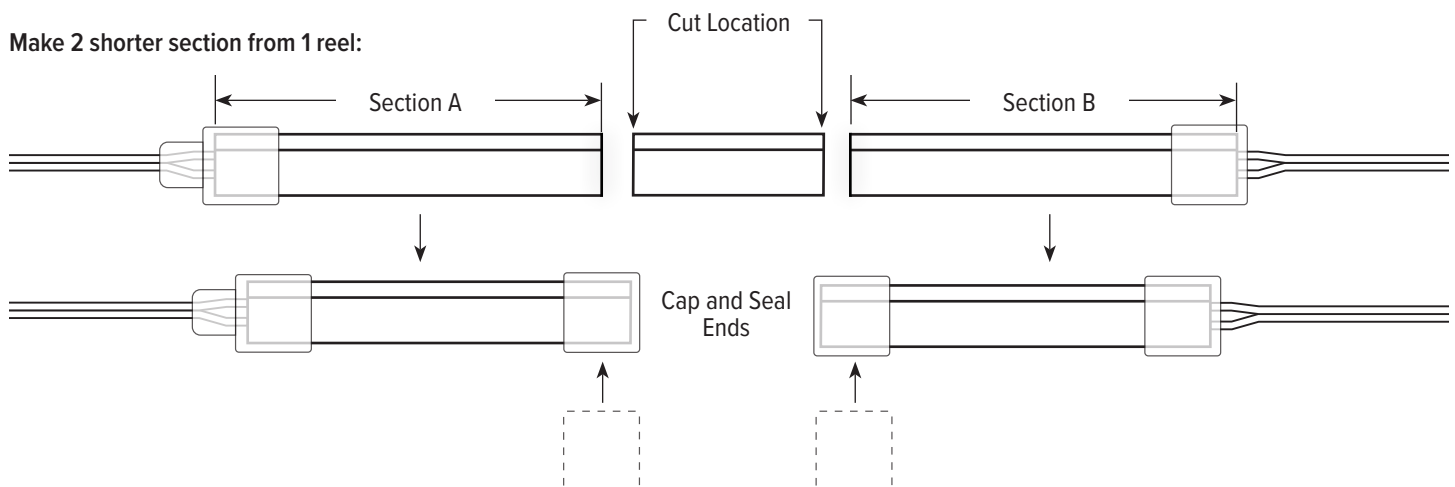


Make 1 long section from one reel:



$A + B = 16' 6''$ max. (used as separate sections)

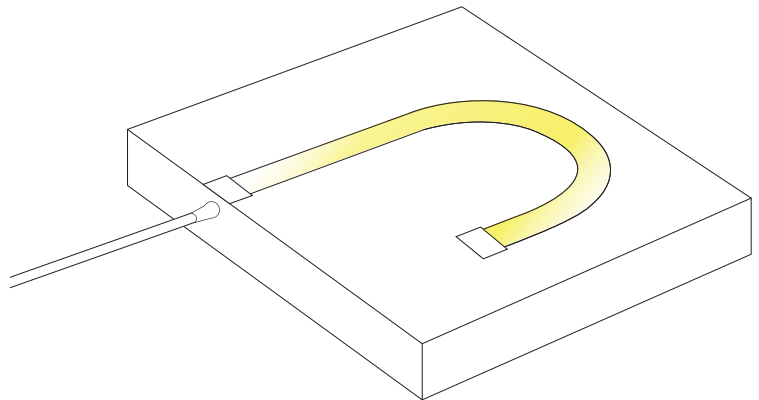
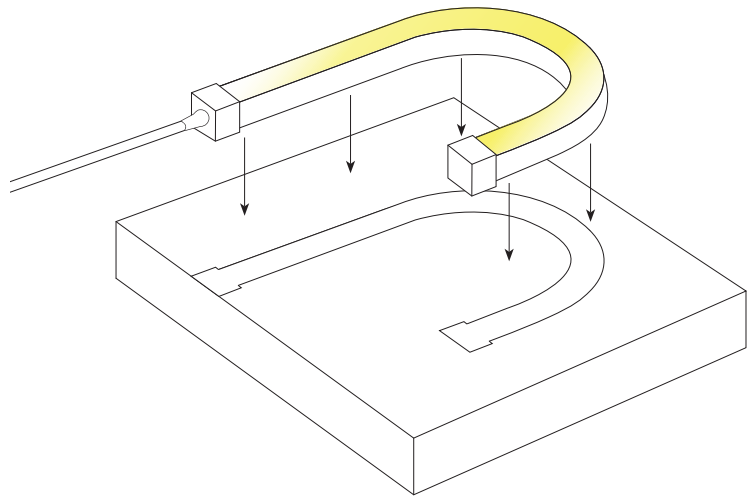
Make 2 shorter section from 1 reel:



Recessed Mounting Tips for Flush Mount Applications:

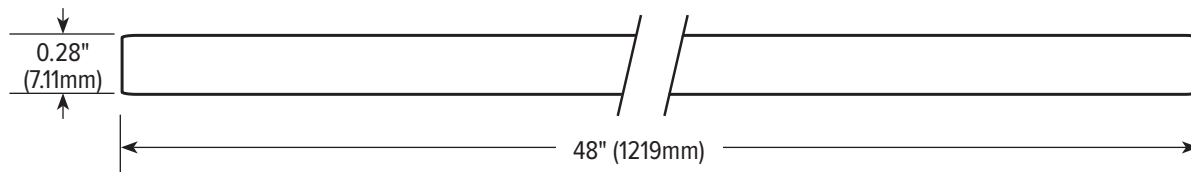
It is best to layout the Neon tape in the shape desired to estimate location of cut point and end caps. DO NOT CUT TAPE UNTIL ROUTING IS COMPLETE AND A TEST FIT FOR LENGTH IS DONE.

- It is best to experiment with the right depth to get the desired effect.
- Material thickness should be thicker than your routing depth.
- A hand held router may be all that is needed for straight or slightly curved shapes.
- A CNC router is best for complex shapes.
- Use a 5/32" (4mm) wide bit routing down to 0.315" (8mm) for the main tape sections.
- Use a 5/16" (8mm) wide bit routing down to 0.394" (10mm) for end caps. (Note that end caps will be raised 1mm)
- You can route out shallower or deeper for different effects.

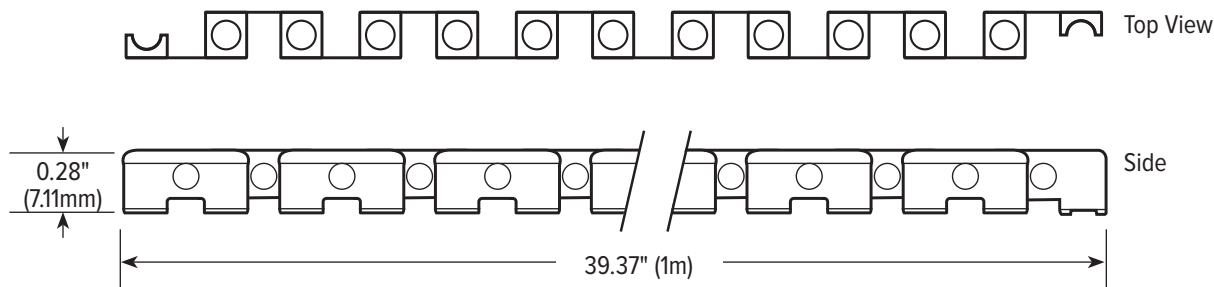


DIMENSIONS

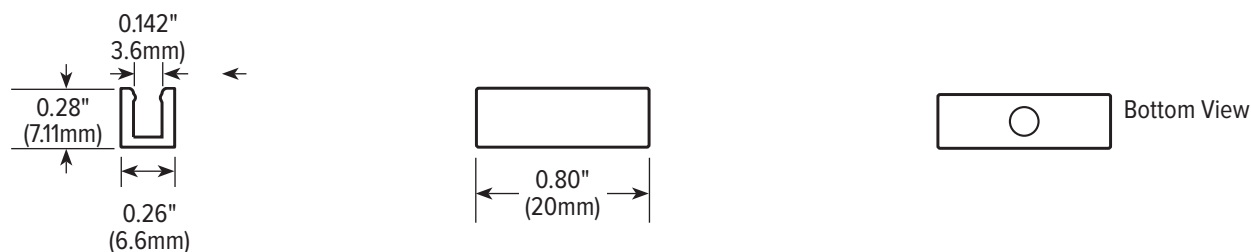
Rigid Channel **NVM24-CHL-A4**



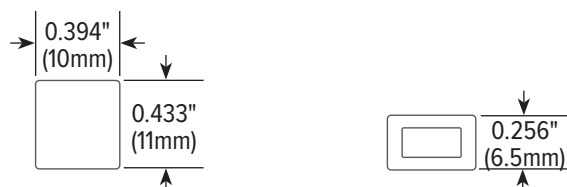
Flexible Channel **NVM24-FLEX-CHL**



Back Mounting Clips **NV24S-MC-A**



End Cap **NVM24S-EC**



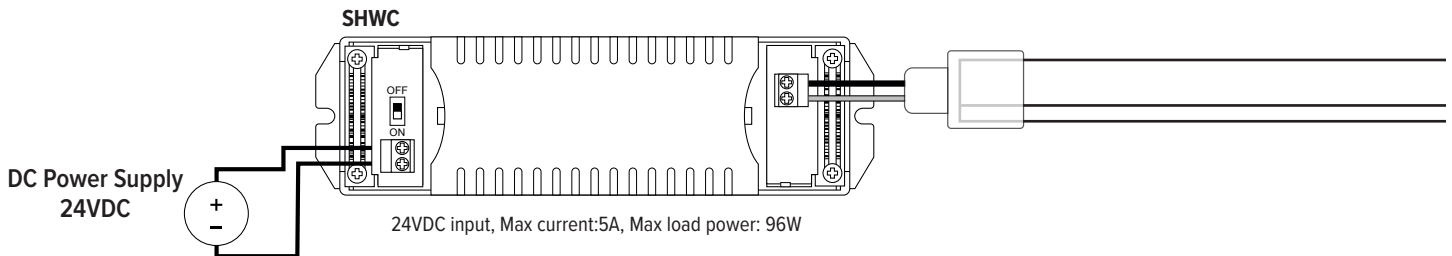
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24VDC Neon LED Tape Specification Sheet



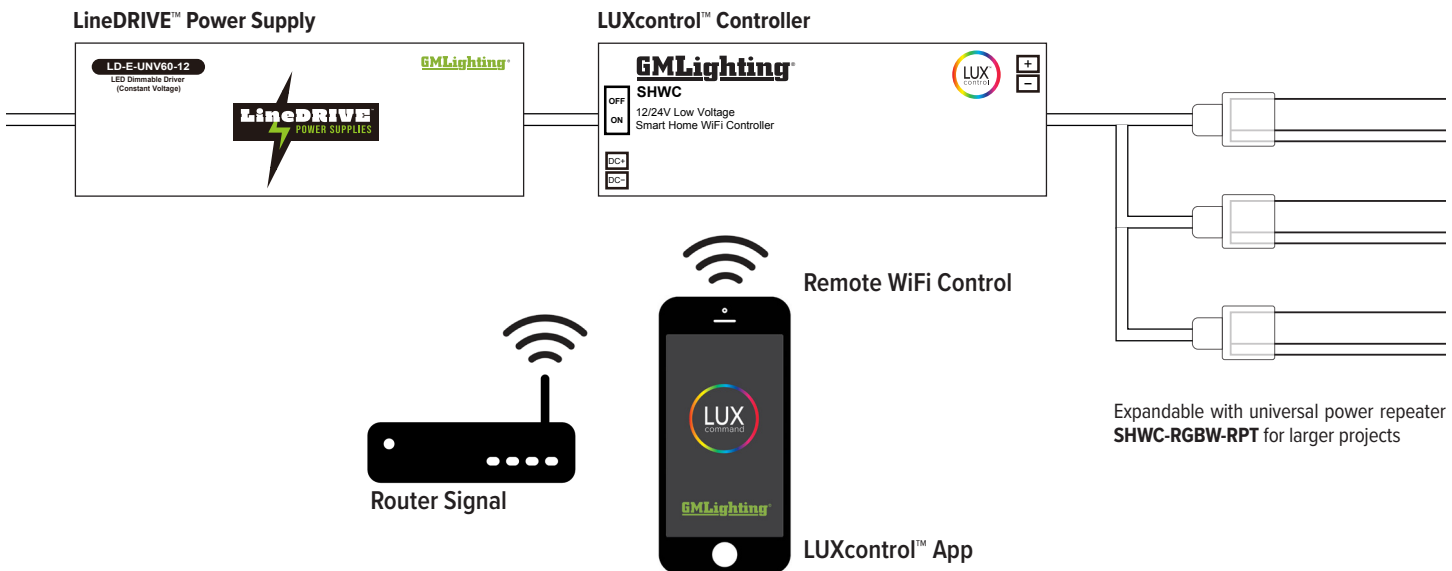
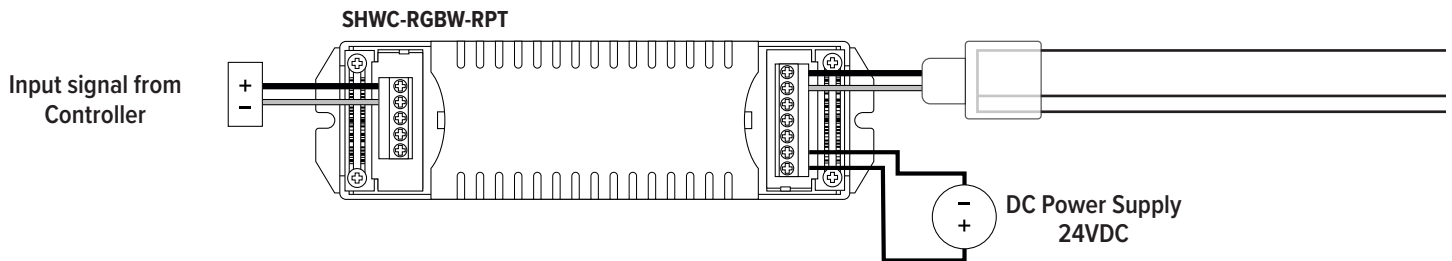
WIRING DIAGRAM

Single Color Smart Controller



Repeater Wiring

Single color connection - One channel



CONTROLLERS

Product No.	Description
SHWC*	Smart 2.4 GHz WiFi Controller, Standard 12V/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

Product No.	Description
LD-E Series	LineDRIVE 24V Non-Dimmable Power Supplies
LD-XD Series	LineDRIVE 24V Dimmable Power Supplies
LD-MD Series	LineDRIVE 24V Magnetic Power Supplies
PSD Series	Constant Voltage 24V Dimmable Power Supplies

*NOTE: Not compatible with **SWITCHLD-SWD** series wall dimmer with driver.

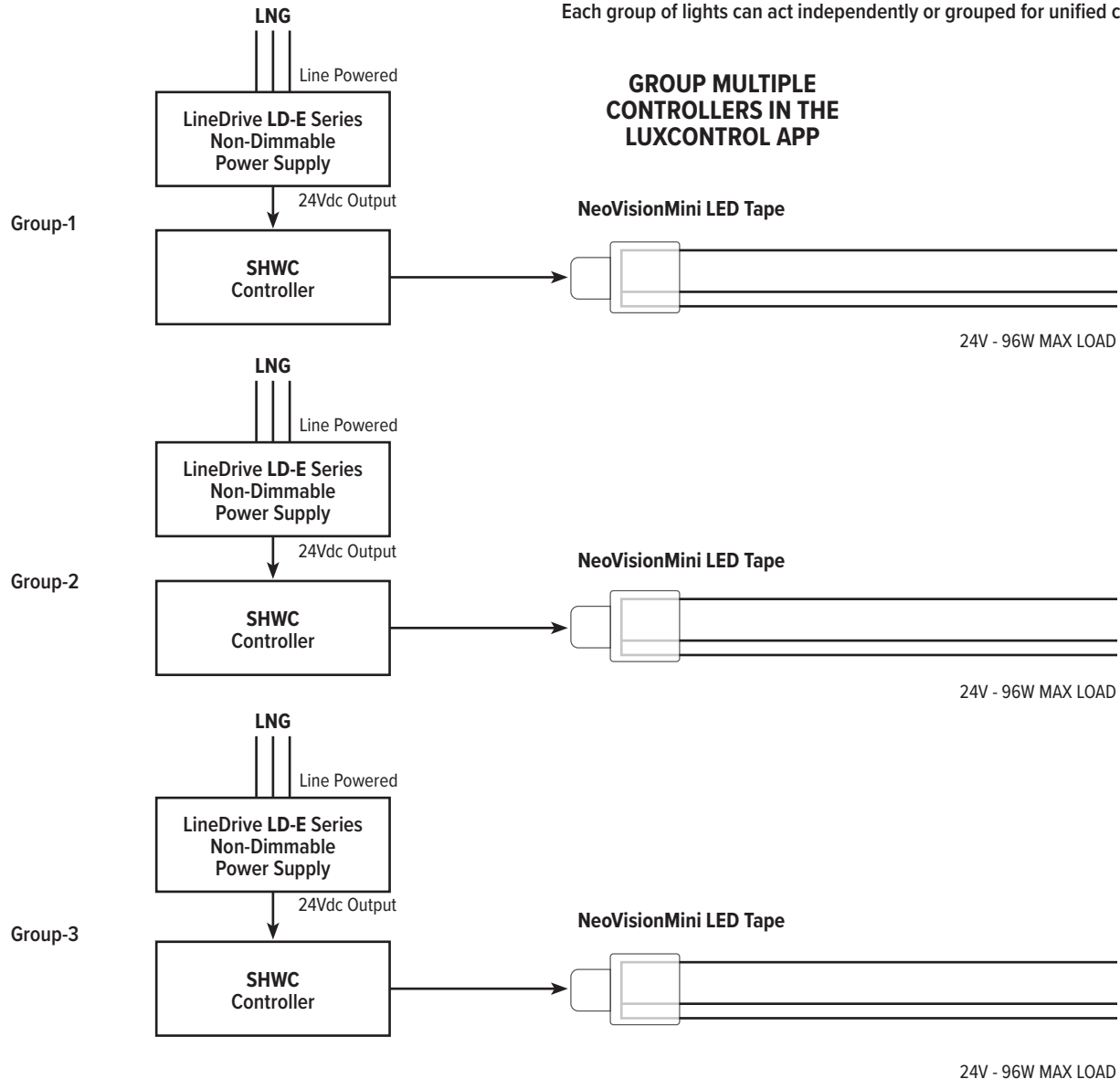
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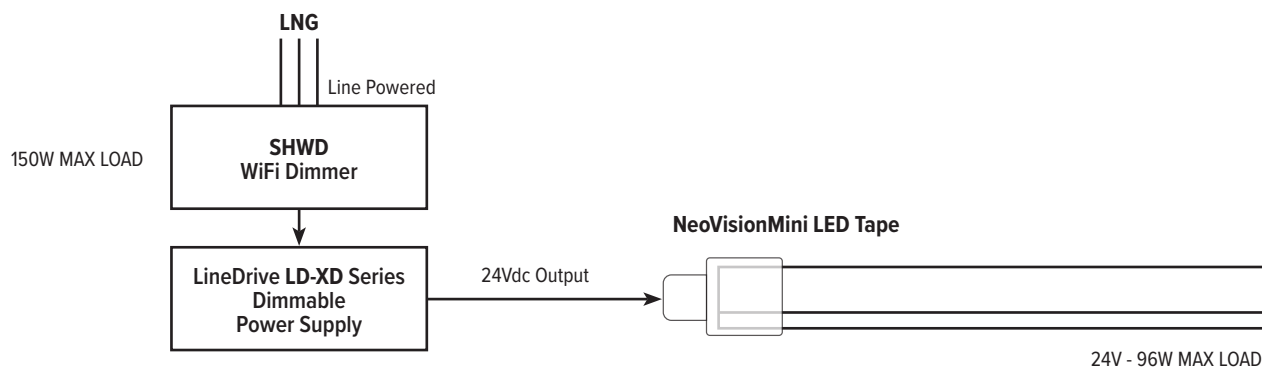
Specification Sheet

SHWC LUXCONTROL WIFI CONTROLLER

Each group of lights can act independently or grouped for unified control.



SHWD LUXCONTROL WIFI CONTROLLER



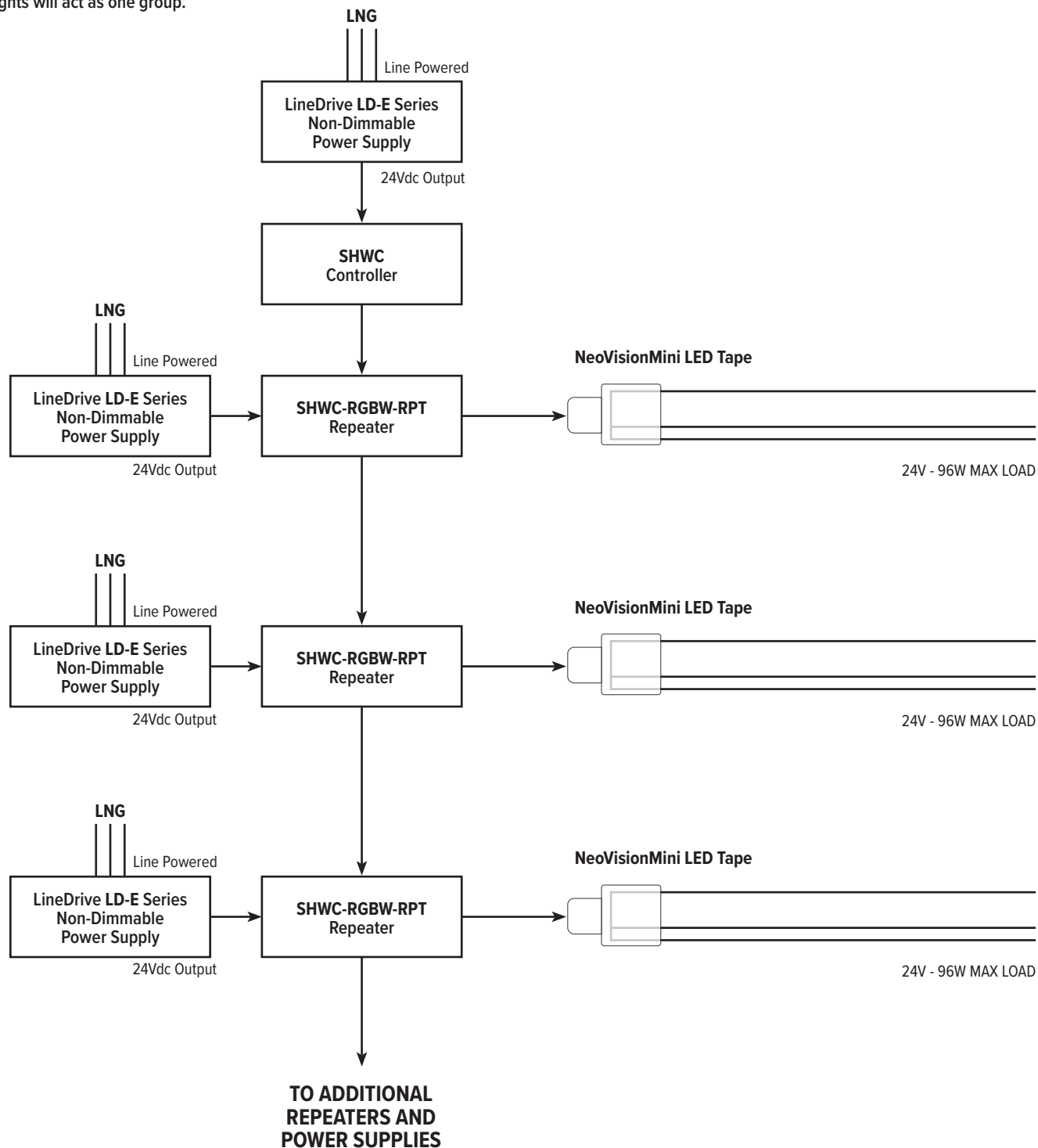
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24VDC Neon LED Tape

Specification Sheet

SHWC LUXCONTROL WIFI CONTROLLER WITH POWER REPEATER

All Lights will act as one group.

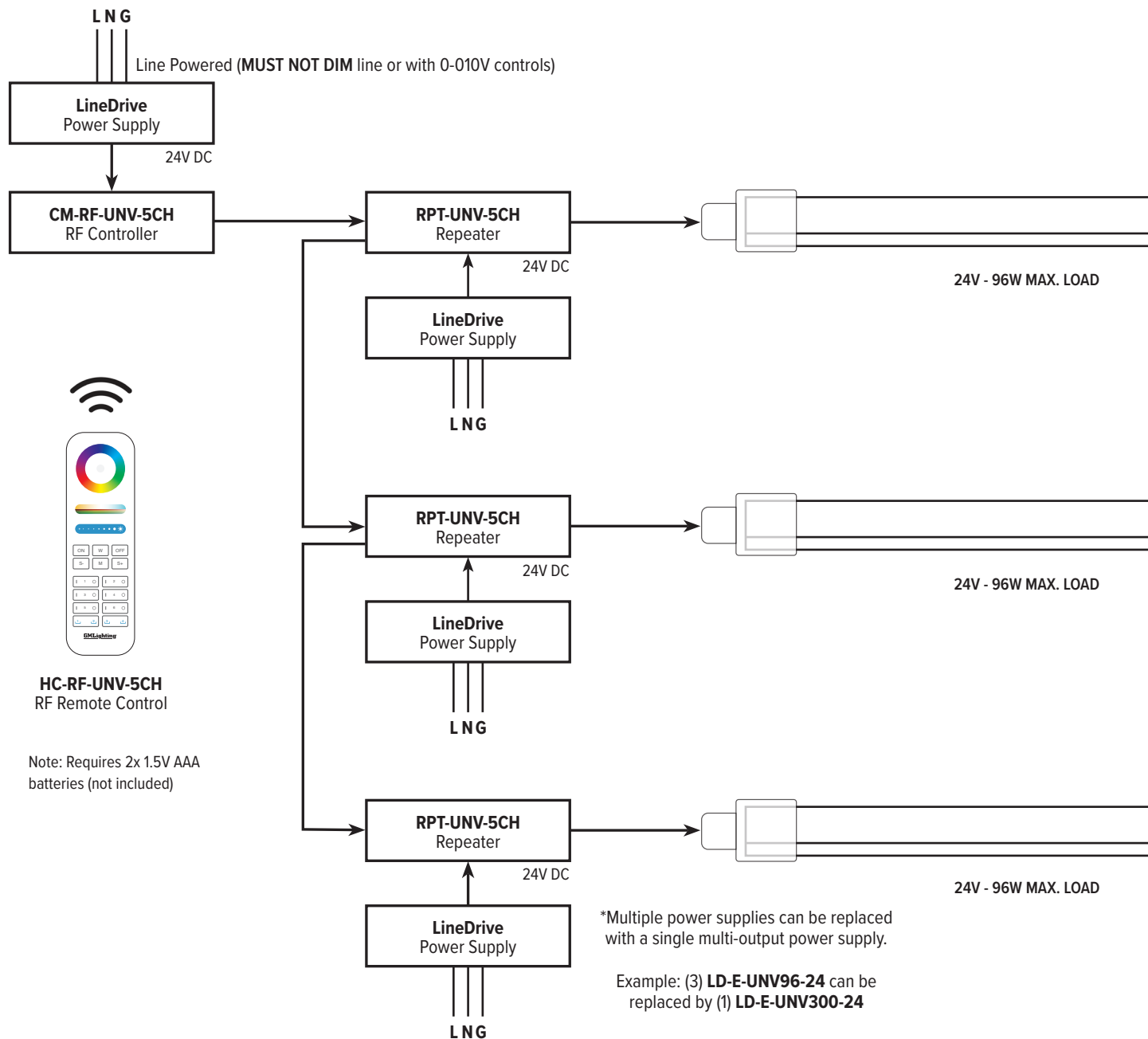


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RF CONTROLLER



CONTROLLERS

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

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

POWER SUPPLIES

Product No.	Description
LD-E-UNV Series	LineDRIVE 12V / 24V Non-Dimmable Power Supplies
LD-XD-UNV Series	LineDRIVE 12V / 24V Power Supplies
LTP Series	24V Electronic LED Power Supplies

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RF REMOTE CONTROLLER AND REPEATER

AC TO DC

GM Lighting®

5 in 1 LED Strip Controller (2.4GHz)

Model No.: CM-RF-UNV-5CH

Input Voltage: DC12V-48V

Output: 6A/Channel

Total Output: Max 15A

Working Temp.: -10~40°C

Control Distance: 30m

Made in China

Indicator

SET

CM-RF-UNV-5CH RF Controller

to other LED Groups

LED = WHITE

[illegible]

Technical drawing of a rectangular plate. The dimensions are indicated as 4.88" (124mm) in length and 0.91" (23mm) in height. The drawing shows a top view and a side view, with the plate being slightly thicker than the height dimension suggests.

Technical drawing of the GM Lighting RPT-UNV-5CH amplifier. The drawing includes a side view on the left and a front view on the right.

Side View Dimensions:

- Height: 1.89" (48mm)
- Depth: 1.06" (27mm)

Front View Details:

- Model:** RPT-UNV-5CH
- Input Voltage:** DC12V/24V
- Output Voltage:** DC12V/24V
- Output Current:** 6A/Channel
- Total Output:** Max 15A
- Made in:** China
- Switching Rate:** 10Mtps
- Connection:** common anode
- Working Temperature:** -20~60°C
- Input:** 5 channels (CH1-CH5)
- Output:** 5 channels (CH1-CH5)
- Power:** 5 channels (CH1-CH5)
- CE, RoHS, UKCA, and other certification marks.**
- QR code:** Instruction is here

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GMLighting®

RF HAND HELD REMOTE FEATURES AND DIMENSIONS

