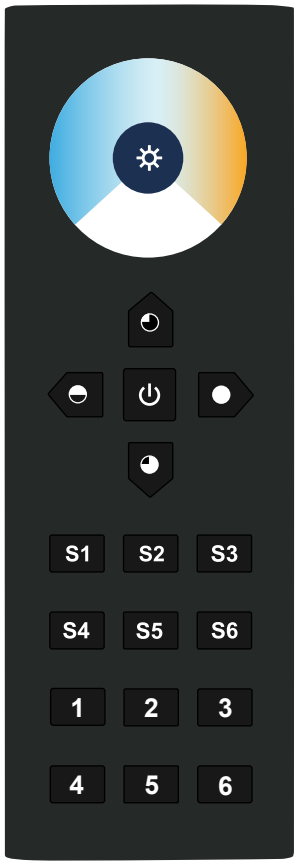
DMR 3003 PB

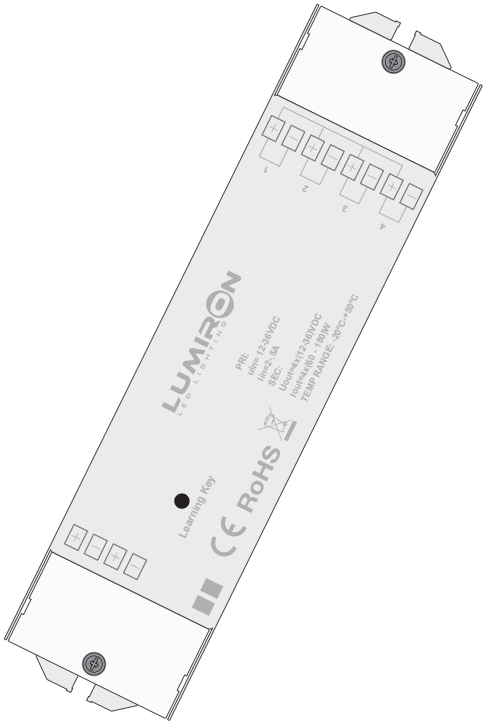
6 ZONES

WIRELESS DIMMER

CONTROLLER AND RECEIVER

PRODUCT MANUAL





LUMIRON
LED LIGHTING

lumiron.com

ON THIS MANUAL YOU WILL FIND:

- Product Information
- Product Diagram and Parts
- Product Wiring and Installation
- Product Operation

WELCOME

PRODUCT DESCRIPTION

MAIN FEATURES

- Easily adjust the color temperature from warm white to cool white — and anywhere in between.
- Smoothly dim the lights using four customizable dimming presets.
- Select color temperature quickly and precisely with the intuitive color temperature wheel.
- Control up to four independent zones for flexible lighting management.

The **LUMIRON DMR-3003 PB 6-Zone Wireless Dimmer Receiver** is designed to provide effortless lighting control across up to four independent zones. The paired remote controller allows users to store up to two colors and three modes for each zone, enabling quick and customized adjustments. The color wheel on the controller offers precise selection of the desired color temperature, while the dimming function allows smooth brightness adjustment from 0% to 100% once installation is complete.

ITEMS INCLUDED IN THE PACKAGE

- 1 RECEIVER 8 ZONE LED CONTROLLER 5A
- 1 Wireless **6-Zone** Remote Control
- 1 Wall Mount Remote Holder

PRODUCT FEATURES

- Easily control the color temperature from warm white to white and anywhere in between
- Easily dim lights using the four dimming presets
- Select color temperature easily with the color temperature wheel
- Add up to four zones. The remote controller can save up to 2 colors/ 3 modes corresponding to each different zone. The color wheel on the controller allows the user to choose the color of their choice.

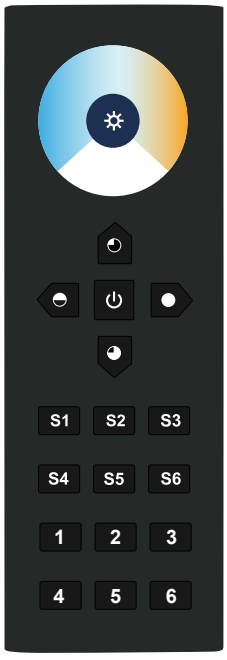
PRODUCT SPECTS

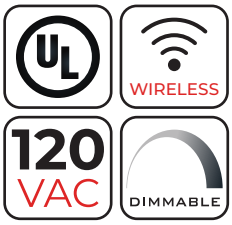
• Dimming :	100% to 1%
• Input Voltage :	100V - 240V AC
• Weight :	1.0 lb
• Frequency :	916.5 MHz
• Range :	65ft
• Dimension :	5.1” x 1.89” x 0.67”

RECEIVER

• Input Voltage :	12V - 36V DC
• Max Power :	240W@12V DC 720W@36V DC
• Max Amps :	4 x 5A
• Dimensions :	7” x 1.8” x 0.9”
• Weight :	0.15 lb
• Working Temp :	- 4F - 120F
• Warranty :	3 Years
• Certificates :	CE, RoHs

CONTROLLER
FRONT VIEW





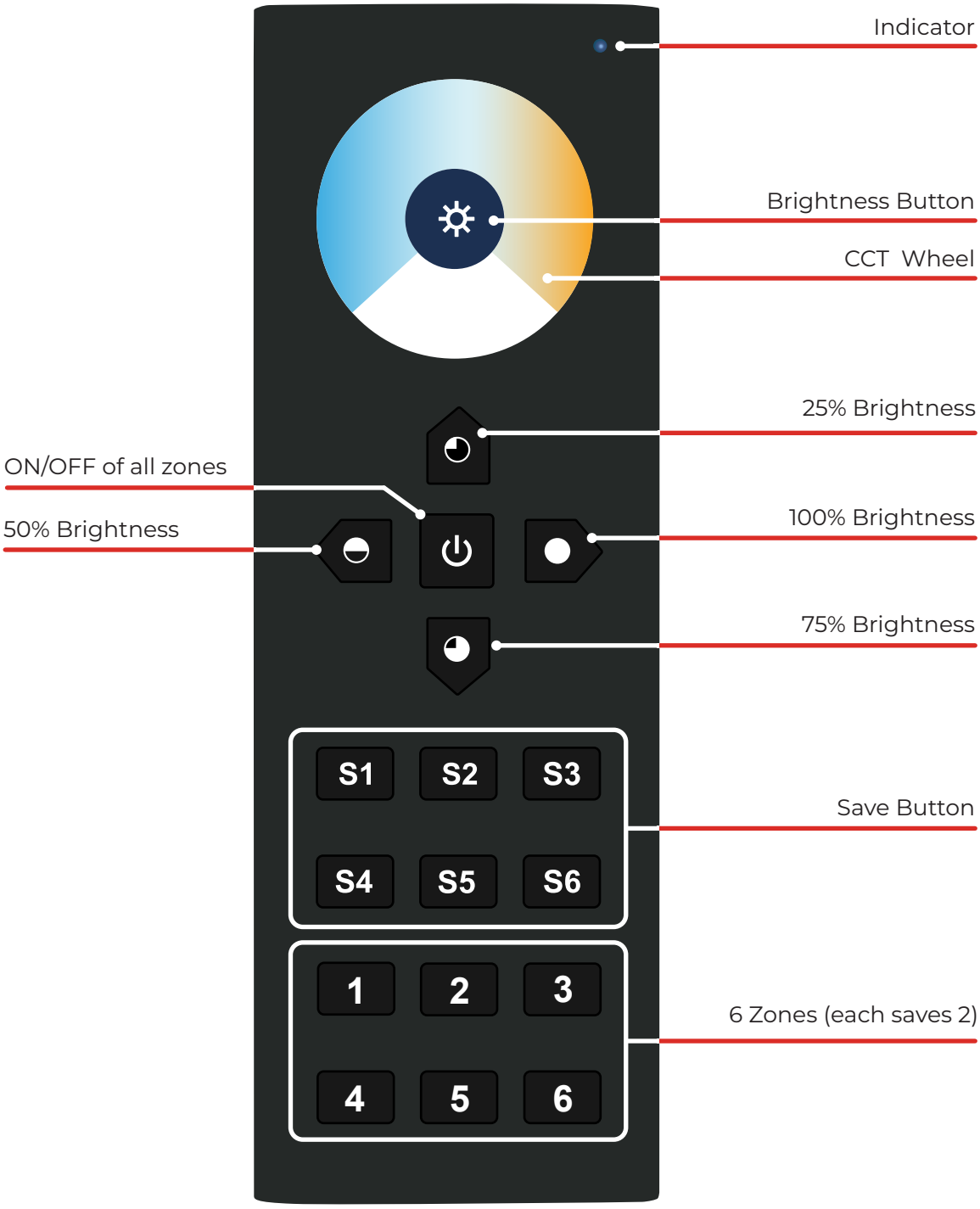
TOOLS REQUIRED FOR INSTALLATION

- Philips Screwdriver
- Flat Head Screwdriver
- Wire Stripper

RECEIVER
FRONT VIEW

SECTION 1
DMR 3003 PB 6 ZONES WIRELESS CONTROLLER OVERVIEW

KEYPAD CONTROLLER FUCTION DIAGRAM



WIRELESS RF REMOTE

PART No.	OPERATION VOLTAGE	OPERATION FREQUENCY	DIMENTIONS (mm)	REMARKS
DIM 700 - 1001	3.6 VDC	434 MHz / 868 MHz	48 x 140 x 16	Load 3 pcs 7 AAA (1.5V) batteries

RF RECEIVER

PART No.	INPUT VOLTAGE	CURRENT	OUTPUT	TYPE
RCV 600-RF-1000	12 - 36 VDC	4 X 8 AMP	12Volt - 4 x 96W	Constan Voltage
			24Volt - 4 x 192W	
			36Volt - 4 x 288W	

AMPLIFIER (OPTIONAL)

PART No.	INPUT VOLTAGE	CURRENT	OUTPUT	TYPE
AMP 650 - 1100	12 - 36 VDC	4 X 8 AMP	12Volt - 4 x 96W	Constan Voltage
			24Volt - 4 x 192W	
			36Volt - 4 x 288W	

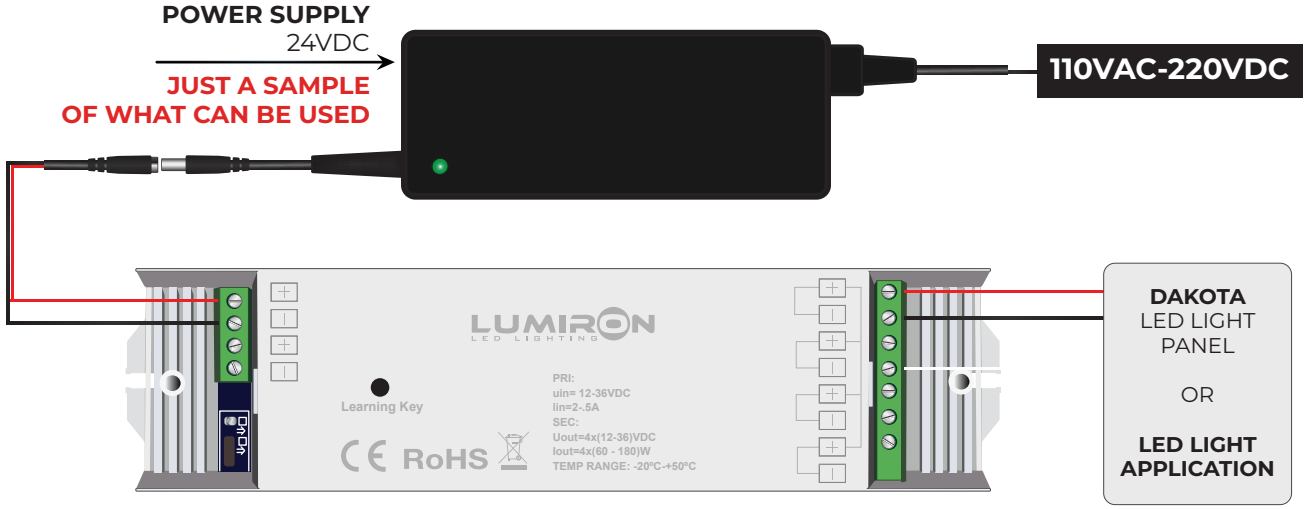
DMR 3003 PB 4 Zones
Wireless Dimmer Receiver

SECTION 2
RECEIVER AND APLIFIER WIRING

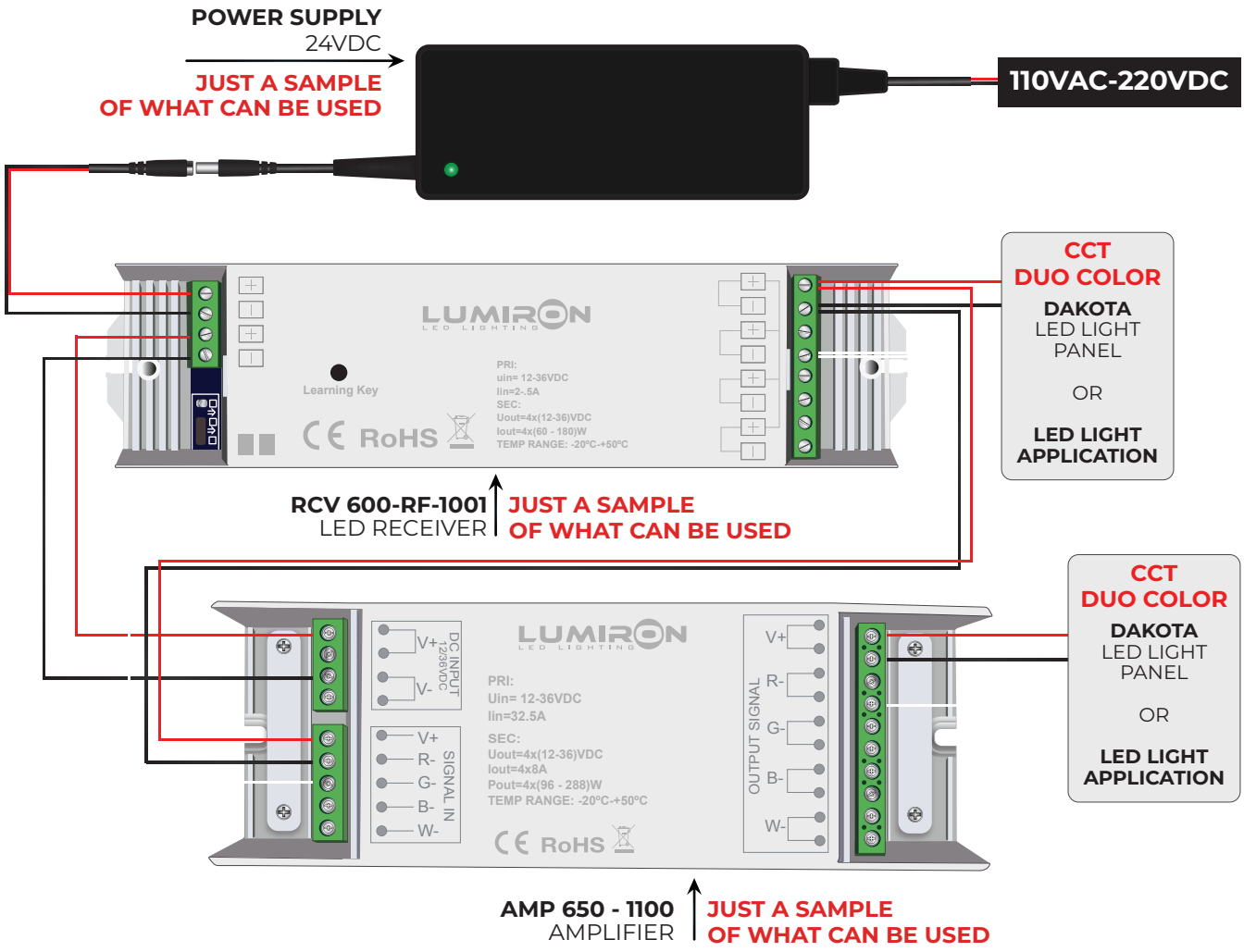
A.

WIRING WITHOUT APPLIFIER

The receiver connects directly to the LED power supply and the LED light application. For standard installations that do not exceed the receiver's rated load capacity, connect the DC power supply (24VDC) to the receiver's input terminals and the LED light panel or fixture to the output terminals as shown in diagram A. This setup allows the receiver to control the LED application directly.



RCV 600-RF-1001 LED RECEIVER | **JUST A SAMPLE OF WHAT CAN BE USED**



B.

WIRING WITH APPLIFIER

If the total LED load exceeds the receiver's power capacity, an amplifier is required to extend the control signal and share the power load. In this configuration (diagram B), the amplifier is connected in parallel to the receiver—receiving the same control signal while being powered by its own DC power supply. This ensures consistent brightness and synchronized color control across all connected LED applications.

LEARNING (MATCHING)

1. Do writing according to connection diagram
2. Wake up the remote control by touching ON/OFF button.
3. Press learning button on receiver.
4. Touch any zone button on remote control.
5. Then touch color wheel.
6. Connected LED light will blink to confirm zone designation.
7. Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

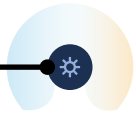
NOTE:
Each remote control 6 zones (areas) receivers, each area can be learned as many receivers as we can. Each receiver maximally can be controlled by 8 different remote controls.

ZONE NUMBERS

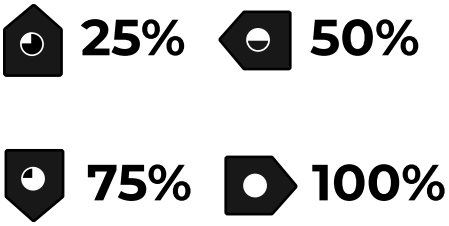
COLOR TEMPERATURE WHEEL

Choose zone number for example S1 and S2 and then touch the color wheel, choose the color temperature you want, zone one and three will indicate corresponding color temperature as we touched.

BRIGHTNESS DOWN OR UP BUTTON



Long press the center of the color wheel to adjust the brightness up or down.
Short press the buttons around the power button in order to adjust the brightness to:



SAVE AND RECALL BUTTON

A. Save Color Temperature

1 2 3
4 5 6

Select zone button which we want recall from

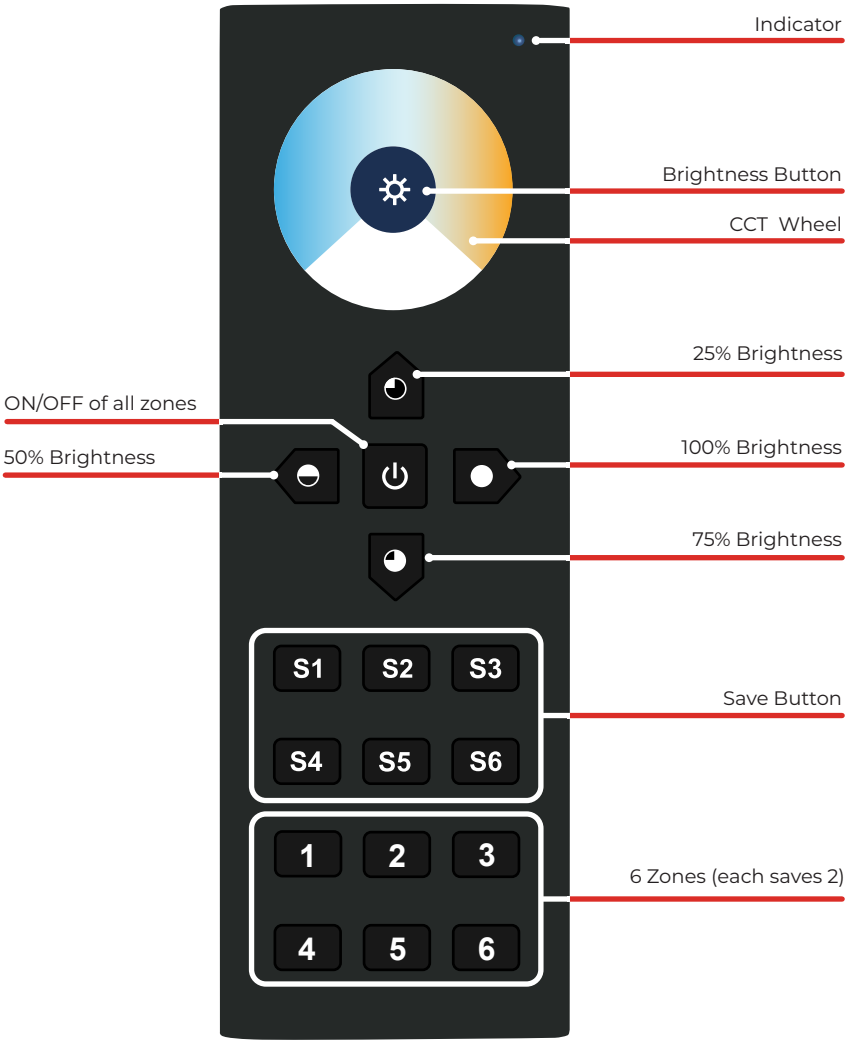
→ Adjust the color temperature and →

S1 S2 S3
S4 S5 S6

Long press one save button for 2-3 seconds

↓

LED lighting flash twice indicate save succesfuf



B.

REACLL

1 2 3
4 5 6

Select zone button which you want recall from

↓

S1 S2 S3
S4 S5 S6

Short press save button

RECEIVER

AMPLIFIER

SECTION 3
TROUBLESHOOTING AND SAFETY TIPS

THIS SECTION WILL SHOW YOU HOW TO TROUBLESHOOT THE DMR 3004 PB 4 ZONES CONTROLLER.

TROUBLESHOOTING GUIDE

ISSUE	POSSIBLE CAUSE	SUGGESTED SOLUTION
LED lights do not turn on	No power to receiver or power supply	Check power connections and ensure the power supply is properly plugged in and delivering the correct voltage.
LED lights flicker or flash	Loose wiring or incompatible load	Tighten all terminal connections and verify the total load does not exceed the receiver or amplifier rating.
Receiver not responding to controller	Controller not paired or signal interference	Re-pair the remote or transmitter following the pairing instructions. Ensure there are no obstacles or strong RF sources nearby.
Uneven brightness between LED panels	Insufficient power distribution or missing amplifier	Add an amplifier to balance the power load across all connected LED sections.
LEDs remain dim or unresponsive	Incorrect polarity or damaged connection	Check and correct wiring polarity (V+ and V–) and inspect all cables for damage.
Overheating of receiver or amplifier	Overloaded circuit or inadequate ventilation	Reduce LED load or install additional amplifiers; ensure proper airflow around components.

INSTALLATION NOTES AND SAFETY TIPS

- Always disconnect power before wiring or servicing the system.
- Verify that the power supply voltage matches the rated voltage of both the receiver and the LED fixtures.
- Ensure correct polarity when connecting V+ and V– terminals to avoid damage to the components.
- Keep all control and power cables securely connected and free from shorts or exposed wires.
- When using an amplifier, make sure it is powered by a separate power supply with the same output voltage as the receiver.
- Do not exceed the maximum load capacity of the receiver or amplifier—use additional amplifiers as needed for larger installations.
- For best performance, use only compatible Lumiron® components or equivalent products recommended by the manufacturer.
- Avoid installing the receiver or amplifier in locations with excessive heat, humidity, or direct sunlight.

THANK YOU

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*Specifications herein can be changed at any time due to the constant improvements to LED technology