

Datasheet - Channel Letter Illumination Systems

LuxemBright® Inferno RGB

Introduction

The LuxemBright® Inferno RGB is a premium full color LED Channel Letter illumination system. Based on the technology of CAO's well established LuxemBright® Fire series, it offers easy installation, durability, and a long life span for all of your full color illumination needs. The 3 LEDs per color and 9 LEDs per module cluster design allows for highly saturated colors, extremely bright light and smooth color transitions. By using LuxemBright® Inferno RGB, you know your sign will keep shining!

Applications

- Full color channel letters
- Front lit and halo lit
- Cove / accent lighting
- Cabinet box signs
- Backlighting
- Architectural lighting
- RV and other 12VDC lighting applications



Benefit

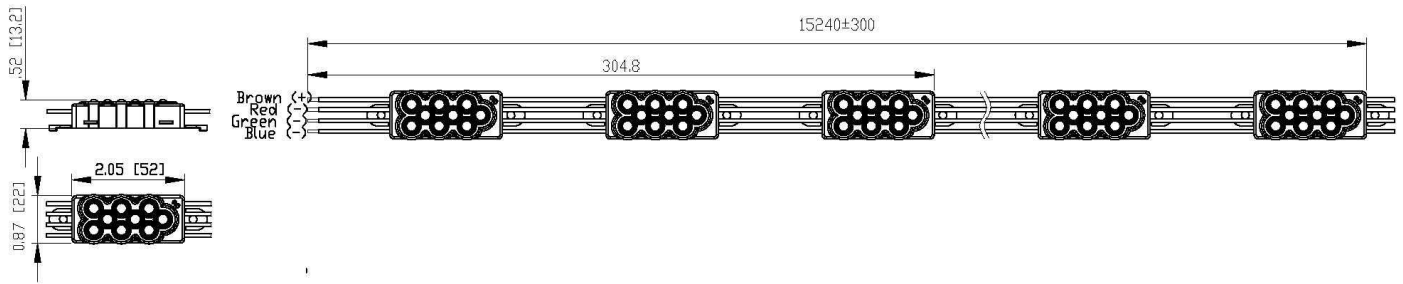
- Warranty up to 5 years
- Energy efficient
- Easy to install
- Environmentally safe, RoHS compliant
- UL Recognized (E332228) and SAM listed

Features

- Vibration resistant
- Operates on a 12 Volt DC system
- Superior outdoor performance
- Cut and splice anywhere between modules
- Double-sided VHB tape on the back of each modules
- Modules are potted for IP67 water resistance



Mechanical Dimensions



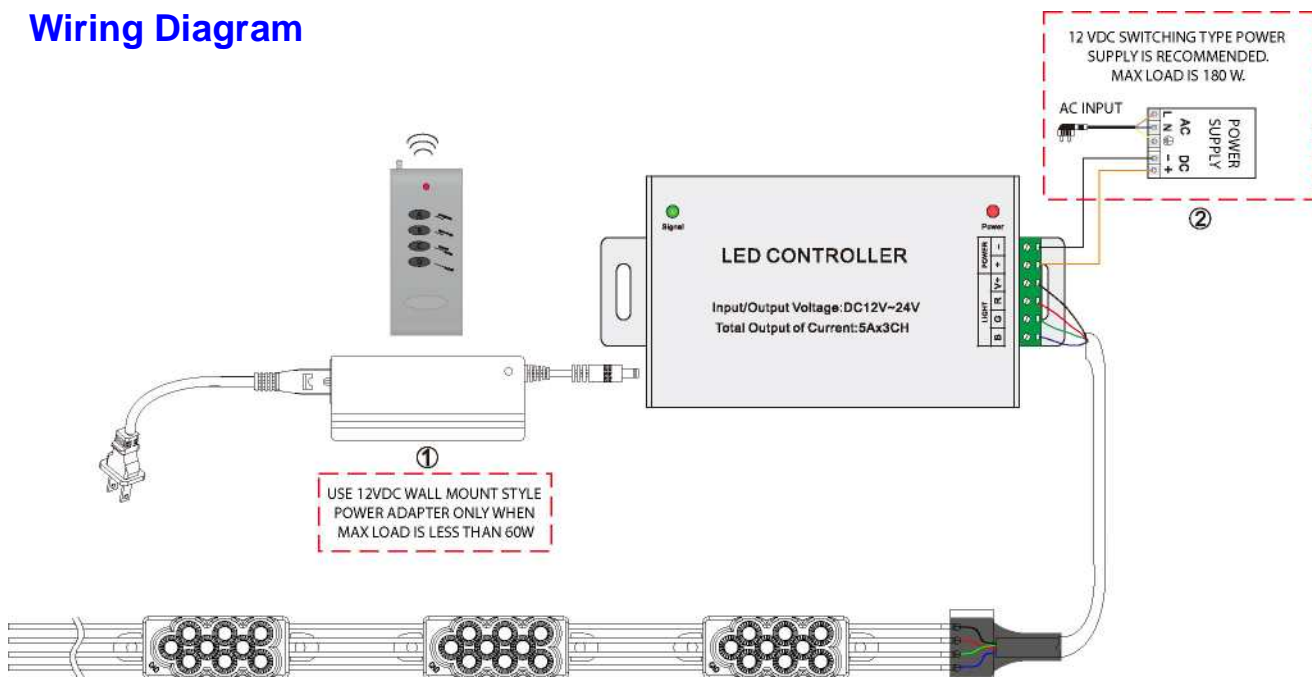
Notes:

1. Connect red/green/blue/brown wires to the R/G/B/V+ terminals in the "LIGHT" section of the controller respectively.
2. Connect positive and negative leads of a 12VDC power supply to the "+" and "-" terminals in the "POWER" section of the controller respectively.
3. Dimensions are in inch/mm or mm only.
4. Dimensions without tolerances are for reference only.
5. Connection wires are 20 AWG.

Electrical / Optical Characteristics

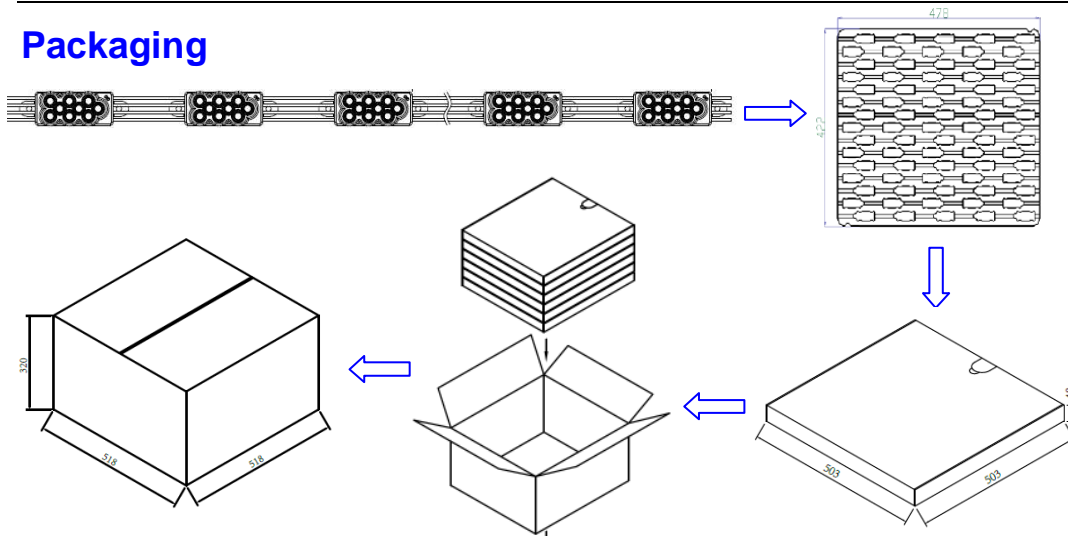
Part Number	Color	Input Voltage (VDC)	Wavelength	Lumen / Foot	LEDs / Module	Module / Foot	Max Watt / Module	Max Watt / FT	View Angle	Warranty	Max Footage Per Power Supply			
											40W	60W	120W	240W
770-RGB23	Red	12	625 nm	18	3	3	0.25	0.75	120°	5 Years	17	26	53	106
	Green	12	520 nm	40	3	3	0.25	0.75	120°					
	Blue	12	470 nm	9	3	3	0.25	0.75	120°					
	White (RGB)	12	9000K	67	9	3	0.75	2.25	120°					

Wiring Diagram



Warning: Use 12VDC power supply / adapter for LuxemBright Inferno RGB ONLY!

Packaging



Notes:

1. LuxemBright® Inferno RGB is packaged as 25 feet per panel and 2 panels per inner box.
2. 6 inner boxes will be placed inside one outer box.

www.caolighting.com

For product information and a complete list of sales representatives, please go to our website.

For technical assistance call:

US/Canada: +1 (877) 236-4401 or (801) 256-9282

Data subject to change.

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