

## Data Sheet

# Mini LuxemBright® Channel Letter Illumination System

## Product Description

The Mini LuxemBright® Channel Letter system is designed for narrow channels in illuminated signs where larger LED modules are unable to fit. The Mini LuxemBright® modules fit into narrow spaces as tight as .4 inches (10mm) in width. Each module is built with three 5mm LEDs, delivering high lumen output. The inside of each module is potted with thermal conductive silicon, protecting the circuitry against water and corrosion. Double-sided tape with a pull tab on the back allows for quick and easy installation. The Mini LuxemBright® operates on a 12 volt DC system, and is more energy efficient than neon, making it a better option for illuminating channel letters, cove lighting and backlighting.

## About CAO Group, Inc.

CAO Group, Inc. is an ISO 9001 certified company headquartered in the United States, with a TS 16949 certified manufacturing facility located in China. CAO Group was founded in 2000 by Dr. Densen Cao. CAO Group is committed to manufacturing high quality innovative products to our customers.



### Applications:

- Front Lit and Halo Lit Signs
- Cabinet Light Boxes
- Architectural Lighting
- Cove Lighting

### Features:

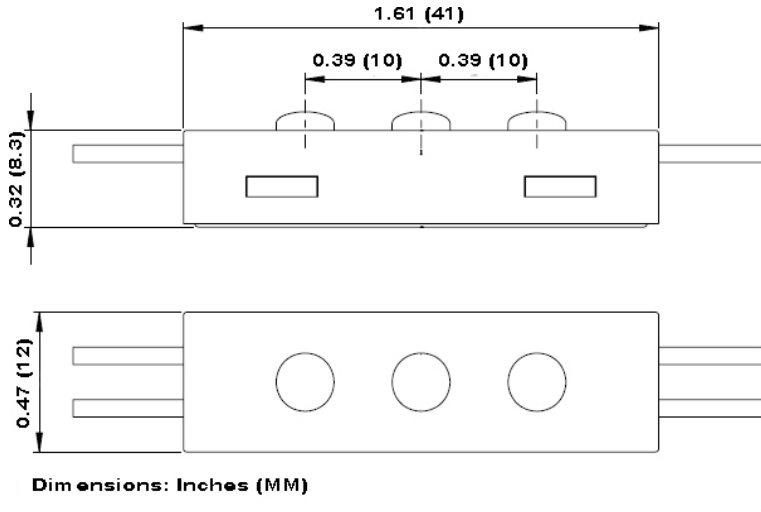
- Each Module is Potted and Water Resistant
- Compact Size
- Vibration Resistant
- High Lumen Output
- 12 VDC System
- Superior Performance in Outdoor Environments
- Cut and Splice Anywhere Between Modules
- Double-Sided VHB Tape with Pull Tab
- Available Colors: White, Red, Amber, Blue, Green and Orange

### Benefits:

- Energy Efficient
- Long Life
- Environmentally Friendly
- RoHS Compliant
- Non-Hazardous Waste
- Low Carbon Footprint



## Mechanical Dimensions



### Notes:

Connect red wire to DC positive and white wire to DC ground.

Dimensions without tolerances are for reference only.

Connection wires are 20 AWG.



## Technical Specifications

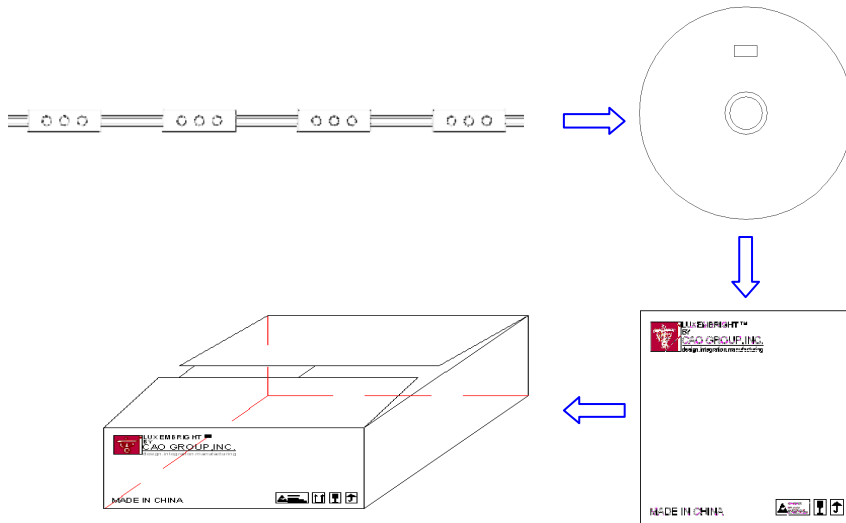
Part Number	Color	Typical Wavelength or CCT	LED View Angle	Input Voltage	Power Consumption Per Module (W)	Modules/Ft	Warranty (Years)
774-W0013	White	8500K	115°	12 VDC	.20	3	
774-R0013	Red	629 nM	115°	12 VDC	.30	3	5
774-E0013	Orange	606 nM	115°	12 VDC	.30	3	5
774-Y0013	Amber	590 nM	115°	12 VDC	.30	3	5
774-G0013	Green	522 nM	115°	12 VDC	.20	3	5
774-B0013	Blue	470 nM	115°	12 VDC	.20	3	4

# Power Supplies

## Specifications

Prod #	Watt (W)	Input Voltage (VAC)	Max Input Current (A)	Output Voltage (VDC)	Max Output Current (A)
771-16212	60	90-264	1.5 A @ 100VAC	12	5.0
771-16312	60	100-277	1.5 A @ 90 VAC	12	5.0
771-14012	40	100-240, 277	0.5 A @ 115 VAC	12	3.3

## Packaging



### Notes:

1. Mini LuxemBright® is packaged 50 feet per reel. Each reel is packaged in an individual carton box.
2. Each outer carton box contains five 50 ft. reels.

### [www.caogroup.com](http://www.caogroup.com)

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

For technical assistance call:

US/Canada: +1 (877) 877-9778 or (801) 256-9282

Data subject to change.

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ISO 9001 CERTIFIED  
TS 16949 CERTIFIED FACTORY

