LCM3-RGB Series

Color Changing LED Channel Letter Modules

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

DESCRIPTION

The LCM3-RGB Series LED Modules are encapsulated in a thermoplastic molded housing. The LCM3-RGB utilizes three RGB LEDs per module, offering high performance yet low operating costs for commercial signage applications. These modules can be easily manipulated, mounted on any surface and require no maintenance. The LED modules are supplied in a string of up to 50 modules that can be individually cut based on customer needs.

APPLICATIONS

- Channel letter lighting
- Back lighting
- Accent lighting
- Cove lighting
- Halo effects
- Club lighting

FEATURES

- LED solid state lighting module
- Long life, minimal power consumption of 0.72W per module
- Indoor and outdoor rated
- Reliable in extreme temperatures
- No broken glass or toxic materials compared to neon
- Shatterproof and vibration resistant
- Easy installation using 3M adhesive tape included on the back of each module as well as a pre-drilled hole for screw installation
- Uniform illumination
- High luminous intensity

PERFORMANCE	Red	Green	Blue
Lumen/Module	22	51	14
Wattage/Module		.72	
Wavelength	620-630nm	520-530nm	455-465nm
Beam Angle		160°	

ELECTRICAL	
Voltage	12
Current	60mA

COMPLIANCE	
IP Rating	IP68
Warranty	3 Years

PHYSICAL	
Dimensions	2.76"L x 0.67"W x 0.40"H
Storage Temperature	-40°C to 65°C (-40°F to 149°F)
Operating Temperature	-20°C to 60°C (-14°F to 140°F)
LEDs/Module	3
Max Per String	50 Modules on a Single Driver
Max Length Per String	25'
Mounting	3M Adhesive Tape or Screw

ORDERING INFORMATION (See page 2 for accessory details)

Example: LCM3-RGB-50

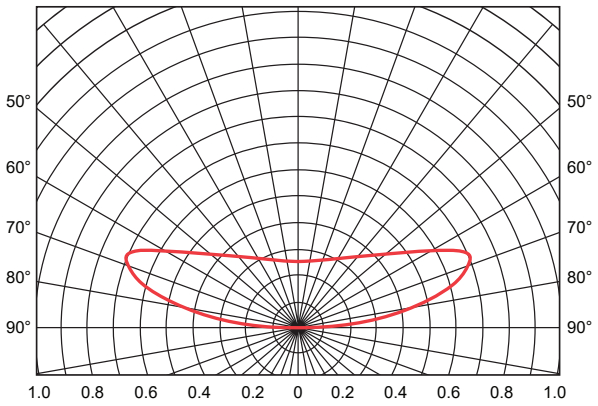
Model	Description
LCM3-RGB-50	3 LED Chip Module, Red/Green/Blue LEDs, 50 Modules, 0.72W/Module, 12V, IP68, 25' Total Length

Accessories (Field installed, order as separate line item)
RFX-DMX-CV-DECODER = Indoor 5050 RGB DMX decoder with RJ45 input, output 12-24V (needs DMX board, not included) INDOOR USE ONLY
STICK-KE2 = DMX controller, 1024 channels. INDOOR USE ONLY (requires the use of the POWER4M power adapter)
POWER4M = 6VDC, 0.65A power adapter for STICK-KE2
DMX4-RGB-WHEEL = DMX512, Multi Zone,Touch Panel Controller. 5AX4CH, 24VDC
Compatible Non-Dimming 12VDC Transformers

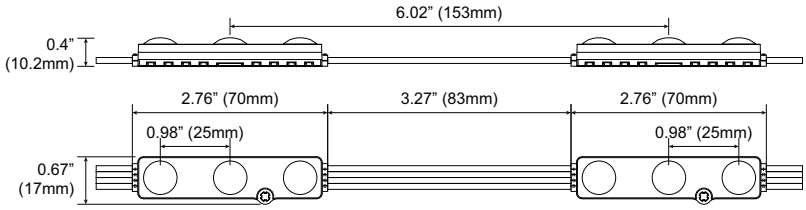
Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.

BARRON lighting group
800.533.3948 • www.barronltg.com

LIGHT DISTRIBUTION



DIMENSIONS



ACCESSORIES (Sold Separately)

Part Number	Image	Description
RFX-DMX-CV-DECODER		Indoor 5050 RGB DMX decoder with RJ45 input, output 12-24V (needs DMX board, not included) INDOOR USE ONLY
POWER4M		6VDC, 0.65A power adapter for STICK-KE2

Part Number	Image	Description
STICK-KE2		DMX controller, 1024 channels. INDOOR USE ONLY (requires the use of the POWER4M power adapter)
DMX4-RGB-WHEEL		DMX512, Multi Zone,Touch Panel Controller. 5AX4CH, 24VDC