

12V Series Low Voltage LED Modules

Indoor Industrial Injection Module



OVERVIEW	
Lumen Output Range	150 Lumens
Wattage Range	0.72-1.5 W
Viewing Angle	110 degrees
Weight lbs (kg)	2 lb. per bag

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FEATURES & SPECIFICATIONS

Construction

- ABS + PCB housing for maximum durability and reliability.
- Cable : UL, 18AWG 300V/80°C
- Type: Module String
- 2-2.6" approx of flexible wire between each module
- LEDs per Segment: 3
- Max in Series - 50 modules
- Lens- Supplied with protective clear plastic lens.
- IP68 rated luminaire protects integral components from harsh environments.
- Lightweight 10g (< 0.03 lb. per module).
- Shipping weight: 2 lbs / 0.91 kg in a bag

Optical System

- Premium engineered IP68 rated acrylic optic assemblies deliver upto 150 lumens.
- LED Type - 2835 SMD for Single color and 5050 SMD for RGB
- Driving System - Constant Current
- Zero uplight - Wide beam angle for even light dispersal, even in shallow channel letters.
- Available in 6000K, Red, Green, Blue, RGB color temperatures
- CRI >85

Installation

- Easy Installation, New or Retrofit - Mounts with waterproof and durable 3M™ adhesive backing.
- Aimable - Fixture adjusts from 0° to 180° to put the light where you want it.

Electrical

- Low Voltage: 12 VDC
- Operating temperature: -25~+60 °C (-13~+140 °F)
- Integrated connection system makes it simple to create continuous lines of LED lighting. The fixtures can be connected directly together or spaced apart as needed, using the optional jumper cables.
- Use appropriately sized 2-conductor to minimize voltage drop on long feeds from power.

Warranty

- Modules carry a 1-year limited warranty. Complete warranty terms are located on our website.

Listings

- Listed to UL.
- Suitable for wet Locations.
- IP68 rated Luminaire
- RoHS compliant
- FCC-compliant

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **BRT MOD C 3X 1.2W 12VDC 60K**

Luminaire Prefix	Light Source	Model	Power Dissipation	Color Temp		Voltage
BRT-MOD-C	LED	3X - Single Color	1.2W	R - Red G - Green	B - Blue 60K - 6000K	12VDC- 12 VDC Low Voltage
		RGB - RGB	0.72W	RGB - Red/Green/Blue 60K - 6000K		

Luminous Flux	Viewing Angle	Finish	Package Quantity	Accessories
150 Lumens	110 Degree	(OMIT)-Standard White Option- Custom Color	50 pcs. per string	Included Remote and LED Controller with RGB



BRT-MOD-3X-1.2W-12VDC



BRT-MOD-C-RGB

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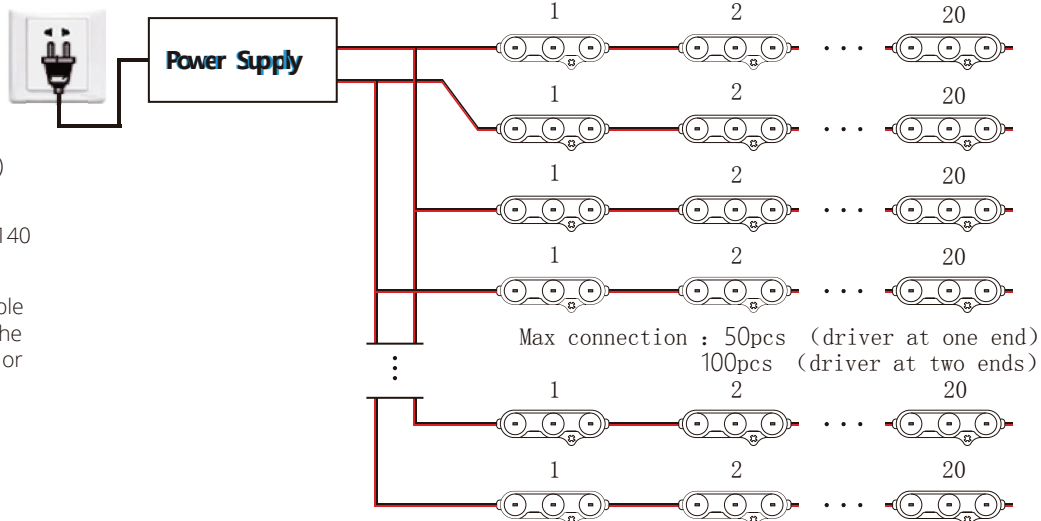
CONNECTION DIAGRAM

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Wiring

- Forward Voltage (110-277 VAC Low Voltage)
Input 50/60 Hz.
- Operating temperature: -25~+60 °C (-13~+140 °F)
- Integrated connection system makes it simple to create continuous lines of LED lighting. The fixtures can be connected directly together or spaced apart as needed, using the optional jumper cables.
- Use appropriately sized 2-conductor to minimize voltage drop on long feeds from power.

AC 220V Input



The number of standard modules per string can reach to 50pcs

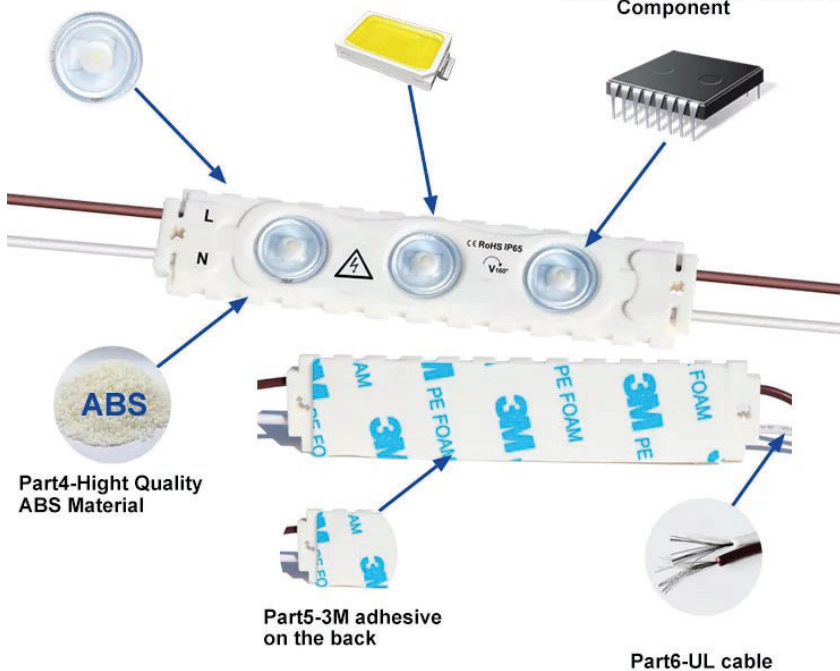
Part1-LAMP

160Degree lens,wide beam angle Overmolded housing design with 160 degree lens, wide beam angle,nice and upscal.

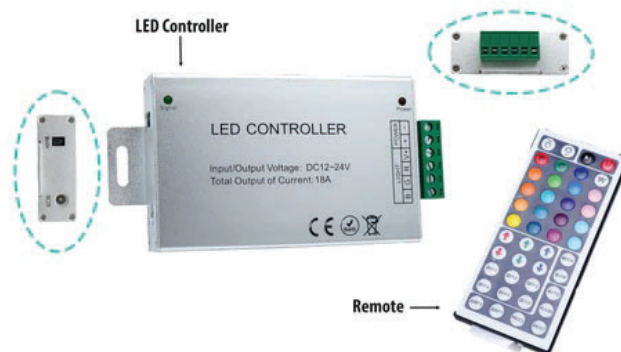
Part2-Hight luminous efficacy

Hight light effective.No light decay after working 50000 hours

Part3-Hight Quality Electronic Component



LED Controller



12VDC Power Supply not included

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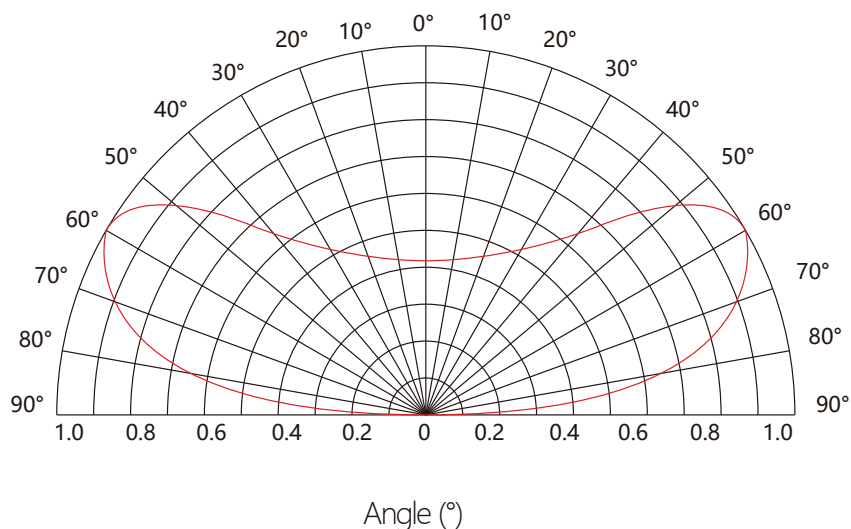
PHOTOMETRICS

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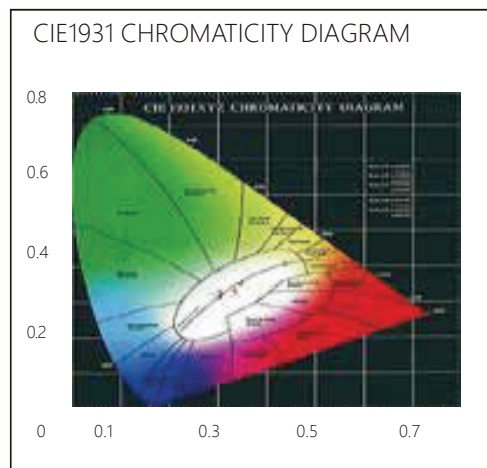
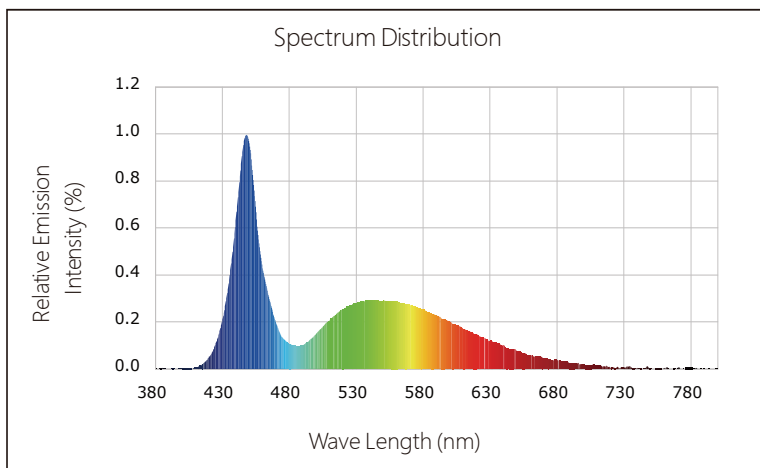
Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

LUMINAIRE DATA

Luminous Intensity Distribution Curve

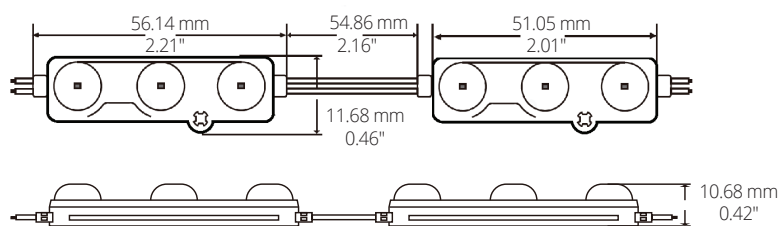


CIE Colorimetric Parameters

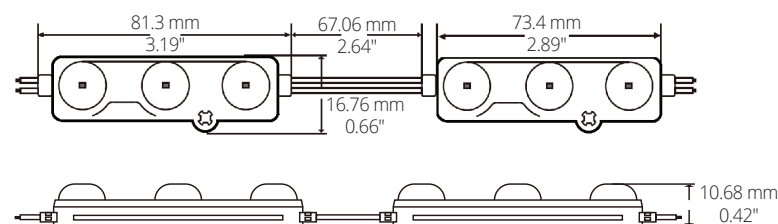


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PRODUCT DIMENSIONS

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BRT-MOD-3X-1.2W-12VDC



BRT-MOD-C-RGB

