

ILLUMIPULSE LED SIGN MODULE - RGB COLOR CHANGING MOD



The IllumiPulse RGB LED Sign Module is an outdoor-rated, low-voltage LED module designed for color-changing backlighting in signage and channel letter applications. Operating on 12V DC, it provides consistent RGB output for perimeter and decorative sign systems when used with compatible controllers.

Key Features

- Outdoor-rated construction (IP65)
- High-output 5050 RGB LEDs
- Full RGB color-changing capability
- 4-wire system for RGB control integration
- Thermal-resistant polycarbonate housing
- Durable, long-life design for exterior signage
- Module string includes 25 modules per pack
- 12.5 in total string length with 3.5 in (8 cm) spacing between modules
- Dimmable and controllable with compatible RGB controllers

Applications

Backlit signage | Channel letters | Transparent objects |
Perimeter and outline lighting

Installation

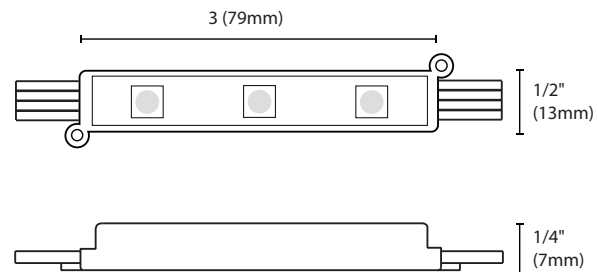
Surface-mount installation using 3M adhesive backing or screw tabs



Specifications

Voltage	12V DC
Wattage	0.75W per mod
Lumen Output	75 per mod
Color Temp	RGB
# of LEDs	3 RGB per mod
Length	12.5' (3.8M)
IP Rating	65
Operating Temp	-30~+60°C (-13~140°F)
Lifespan	+50,000 hours
Lead Wire Length	12.5' length with 3.5' (8cm) Wire Length between mods
Warranty	5 Years

Dimensions









Ordering Codes

Product: Color Temp:





Sign Module LS - -

RGB : Color changing



Power Supplies

Image	Code	Voltage	Output Power	Class II	Dimmable Specs
Non-Dimmable					
	LS-12V-30W-O-CV	12V	Max. 30W	✓	Non-Dim with Plug
	LS-12V-60W-O-CV		Max. 60W	✓	Non-Dim with Plug
	LS-12V-96W-O-CV		Max. 96W	x	Non-Dim with Plug
	LS-12V-150W-O-CV		Max. 150W	x	Non-Dim with Plug
	LS-12V-264W-O-CV		Max. 264W	x	Non Dim, with leads for hardwire.
	LS-12V-60W-JB-O-CV		Max. 60W	✓	Boxed Hardwire Power Supply

RGB Controls

Image	Product	Code	Description	Functions	Dimensions
	RGB Handheld Remote	LS-RGB-MZR	Controls RGB LED Lights, 868 Mhz	Mult-zone (4), 3 Presets, Dimming, Fade/Flash/Jump, Custom colors	L4 ^{3/4} x W2 ^{3/16} x H1 ^{1/16} " (L120 xW55 x H17mm)
	RGB Wall Mount Remote	LS-RGB-MZWMR	Controls RGB or RGBW LED Lights, 12-24V DC Input, 2.5-5W, 868 MHz Fits single gang box. Includes 6W driver, 50ft wireless range.	3 Presets, Dimming, Fade/Flash, Custom colors, includes 10 pre-loaded programs	L4 ^{3/4} x W2 ^{15/16} x H1 ^{1/8} " (L120 xW75 x H29mm)
	Smartlife Control	LS-RCV-SMZ8A-TY	Receiver for RF remotes (RGB / RGBW / CCT / SC) Wifi Capable with free control app	12-24V / 36V / 48V 5 x 8A/Ch / 5 x 6A/Ch / 5 x 4A/Ch 5x96W / 5x192W / 5x216W 15M (50') Remote Range	L6-11/16 x W2-5/16 x 1-1/8" (L170 x W59 x H29mm)
	Outdoor MZ LED Receiver	LS-RCV-O-MZ5A	Receiver for RF Remotes (RGB/RGBW). Wifi Capable. Outdoor rated for harsh environments	12-36V DC 4 x 5A/Channel 4x(60-180W) Output Power 15M (50') Remote Range	L7 ^{1/8} x W2 ^{15/16} x H1 ^{1/2} " (L180.5 xW74x H38mm)

RGB Controls

Image	Product	Code	Description	Functions	Dimensions
	Casambi 4 Channel PWM Controller	LS-CBU-PWM4	Control up to 250 fixtures with intelligent mesh network and customizable user interface. Multiple networks can be set up with same control system	12-24V DC 48W - 96W 4A Output Power Surface Mountable Includes Downloadable Smart Device App	L2-7/8 x W1-3/16 x H11/16" (L72.6 x W30 x H18mm)
	Digital DMX512 Decoder	LS-DMX-DIG-DCR	Converts DMX signal for use with low voltage RGB & RGBW LED lights.	Total 5 PWM output channels, common anode. DMX channel quantity from 1CH~5CH settable.	L6 ^{7/16} x W2 ^{7/8} x H1 ^{1/2} " (L164 x W73 x H38mm)