

## Overview

ACLW-RGB3 40 Tricolor emitter produces bright and efficient lighting effects that support customized programming. This gives greater variation in application and animation. It is easy to install through peel and stick or by screws. Customized programming available.



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Where to Buy

With its low-profile and sleek appearance, the modules provide a perfect solution for lighting signs, channel letters, theatres, casinos, and many other architectural establishments.

## Specifications

Part Number.....	ACLW-RGB3 40
LED Colors.....	Red Green Blue
Input Voltage.....	DC 12V
Power Consumption/ Mod... ..	0.72 W
Beam Angle.....	110°
Mod/ Ft.....	2.5
Operating Temperature.....	-30°C ~ 60°C / -22°F ~ 140°F
Protection.....	IP65
Estimated Lifespan.....	50,000 hours
Warranty.....	5 years
Packaging.....	40 modules/bag

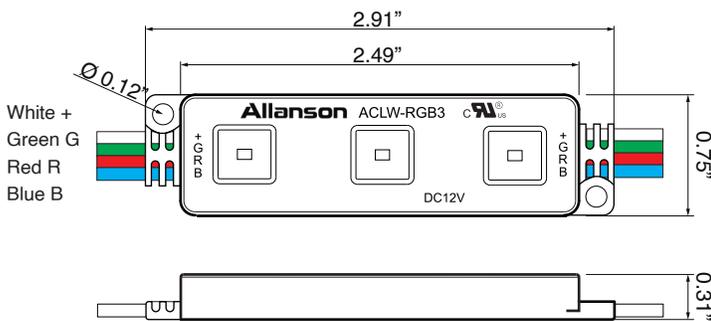
## Lighting Output

Nominal Wavelength.....	Red 620 to 625nm Green 520 to 530nm Blue 460 to 470nm
Efficacy lm/W.....	Red 30.9lm/W Green 63.5lm/W Blue 15.5lm/W RGB 36.2lm/W
Lumen per Module.....	Red 7.0lm Green 15.0lm Blue 4.0lm RGB 26.0lm

## Features

- Bright and luminous PLCC-6 SMD multi-color LED
- Wide 110° viewing angle ensures broad and even illumination
- Constant voltage 12V DC
- Low-profile design gives greater application variations
- One-piece mold construction with encased LED offers maximum protection and durability
- IP67 rated protection

## Dimensions



## Power Supplies Loading

	Power Supply Part number	Output Watts	Input Voltage	Output Volts DC	Max. Modules
12V	ACVN125-120-277V	60W	120-277	12.0	80
	ACV125-120-277V	60W	120-277	12.0	80
	ACV2125-120-277V	120W (60 + 60)	120-277	12.0	80 + 80
	ACV3125-120-277V	180W (60 + 60 + 60)	120-277	12.0	80 + 80 + 80
	CVW125-120-277V*	60W	120-277	12.0	80
	CVW2125-120-277V*	120W (60 + 60)	120-277	12.0	80 + 80
	CVW3125-120-277V*	180W (60 + 60 + 60)	120-277	12.0	80 + 80 + 80

\*IP68 rated



### Installation Instructions

- Double-Sided Adhesive Installation
  - Clean surface before installation to ensure a clean and dust-free surface
  - Tear off double-sided adhesive tape, stick the modules on the installation board.

**Note**

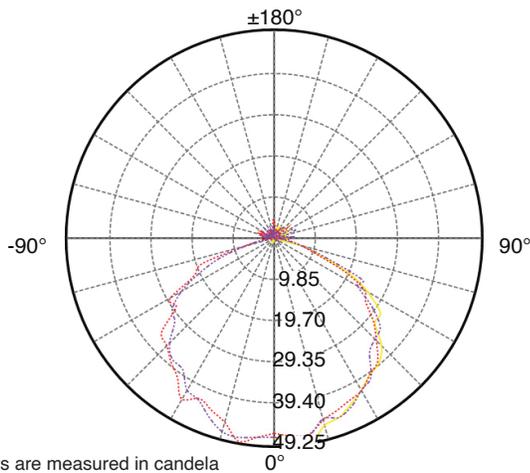
- Use adhesive with good thermal conductivity to optimize heat dissipation and improve product's adhesivity
- Avoid covering the product's surface with adhesive, especially on the LED lens as this will impede the product's luminosity.

- Fixed Screw Installation
  - Insert screw through the module's installation hole and fix the module on the installation board.
  - Do not over torque the screw to avoid damaging the product

**Note**

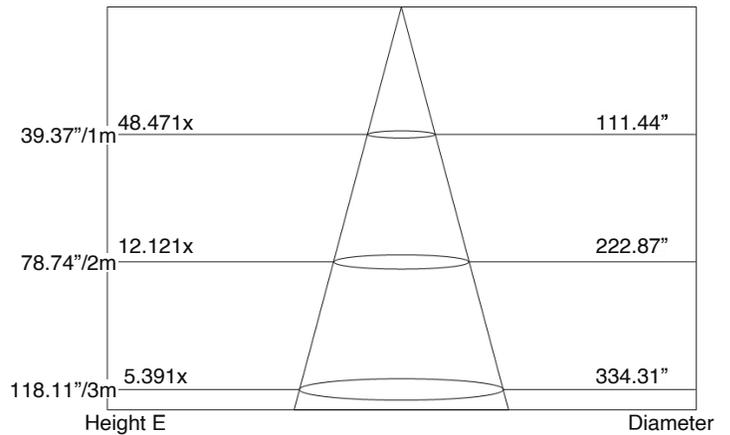
- Use the right size screws
- Use adhesive with good thermal conductivity to optimize heat dissipation and improve product's adhesivity
- Avoid covering the product's surface with adhesive, especially on the LED lens as this will influence the product's luminosity.
- Waterproofing the installation holes is recommended

### Light Distribution Curve

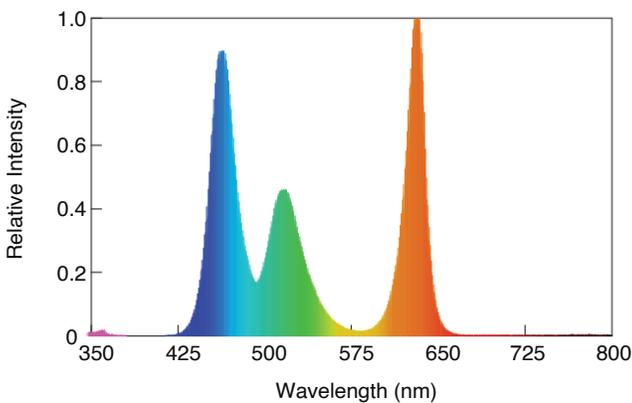


\*Numbers are measured in candela

### Illumination Distribution



### Spectrum



### Wiring Diagrams

