ColorMix
Lighting Solutions
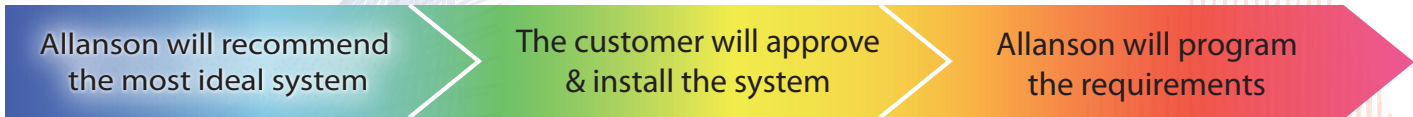
Color Changing & Animating
Lighting Solutions

Allanson

ColorMix Lighting Solutions

Create exciting lighting effects with Allanson's Color Changing and Animating Solutions. From concept to ColorMix, Allanson will guide you throughout the process to ensure that the desired outcome is achieved with simplicity and maximum efficiency.

Allanson will recommend the most ideal system	The customer will approve & install the system	Allanson will program the requirements

The delivery process has simplified over time, allowing your customers to focus on the next big thing to grow their business. Allanson's approach will successfully contribute to this growth.
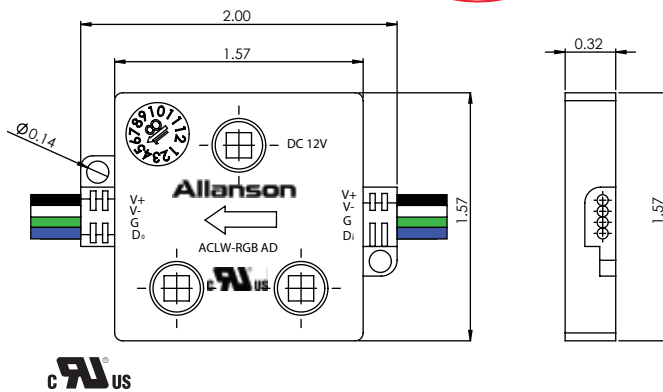
Allanson offers a variety of RGB modules, and Standard and RGB rigid border tubing options with numerous programming capabilities. Our full line of ColorMix solutions can be found in this catalogue.

RGB Addressable System

Dynamic lighting effects with individually addressable modules. Customized programming available. No need for sub-controllers.

Specifications	
Part Number	ACLW-RGB AD 2
LED Colors	Red Green Blue
Input Voltage	DC 12V
Power Consumption/Mod	0.72 W
Beam Angle	110°
Dimensions	2.00" x 1.57" x 0.32"
Mod/Foot	2.5
Max Mod/60W Power Supply	80
Operating Temperature	-30°C to +60°C
Environmental rating	IP 67
Warranty	5 Years
Packaging	
Single Bag	40
Master Carton	800

Loading Recommendation	
CV125-120 BLK (60W)	80 modules
CV125-120-277V (60W)	80 modules
CV125-347 (60W)	80 modules
CV12125-MV (60W+60W)	80+80 modules

ColorMix
Lighting Solutions

Controllers - *For RGB Addressable System*

Addressable Controller (ACL-ADC-SPI)*

• Enormous capability of controlling up to 21000 modules
• 14 programs can be stored with SD card
• Day, hour, and minute time setting capability
• Maximum distance from controller to first module or
  between modules is 60 ft[#]
• 120 Volt AC power adaptor, channel adaptors, jumper
  cables, and SD card included
Dimensions: 7.75" L x 4.72" W x 1.85" H

Addressable Pre-Programmed Controller (ACL-ADPPC)*

• Controls from 8 to 360 modules
• 16 preset programs
• Adjust speed, direction and fade
• Maximum RF transmission distance is 130 ft line of sight
• Maximum distance from controller to first module or
  between modules is 60 ft[#]
• Wireless remote included
• Compact Size
Dimensions: 5.30" L x 1.18" W x 0.79" H

DMX Master Controller (ACL-MC-DMX)* + Signal Converter from DMX to SPI (ACL-DMXSPI)*

• Capability of controlling up to 170 modules
• Stores up to 32 user defined programs
• Day, hour, and minute time setting capability
• DMX 512 protocol signal via XLR interface
• Speed, fade, and strobe adjustable
• USB programming interface
• Can be powered by 120 Volt AC adaptor (included)
  or USB port (optional)
• Maximum distance from converter to first
  module or between modules is 60 ft[#]
• Maximum distance from DMX master
  controller to converter is 200 ft[##]
Dimensions (A): 4.92" L x 2.52" W x 1.57" H
Dimensions (B): 7.13" L x 4.75" W x 1.56" H

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From Concept to
ColorMix
Easy as I.2.3!

1. You Request
2. We Recommend
3. You Approve
4. You Install & Test
5. We Program

* Non weatherproof
# Using Allanson Signal Cable (ACL-DMX-CBL-100) can extend max distance from 60 ft to 100 ft
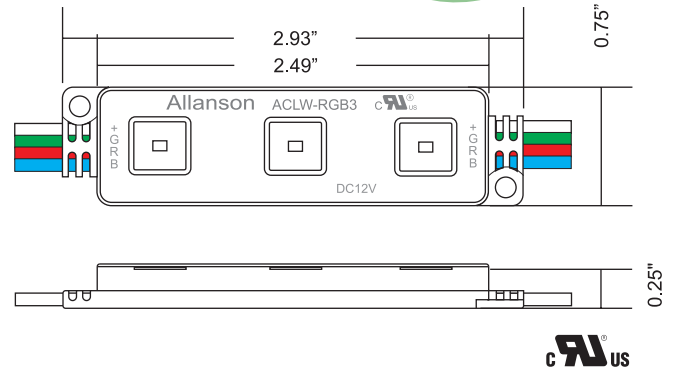## Using Allanson Signal Cable (ACL-DMX-CBL-100) can extend max distance from 200 ft to 400 ft

RGB3 System

Excellent tricolor emitter produces bright and efficient lighting effects. Customized programming available.
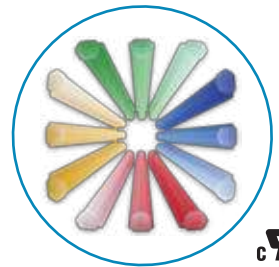

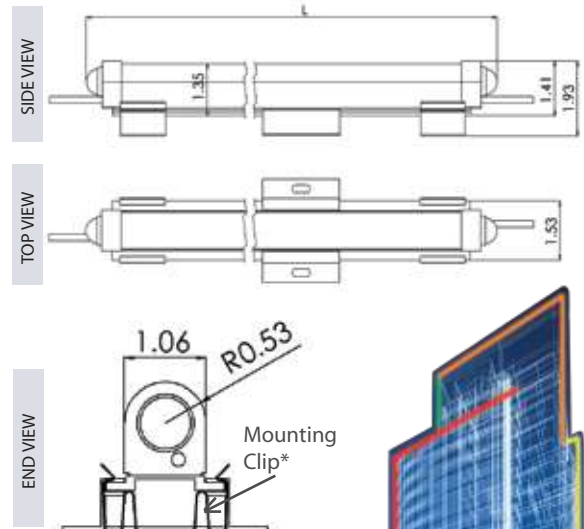| Specifications	
Part Number	ACLW-RGB3 40
LED Channels	Red Green Blue
Input Voltage	DC 12V
Power Consumption/Mod	0.72 W
Beam Angle	110°
Dimensions	2.93" x 0.75" x 0.25"
Mod/Foot	2.5
Max Mod/60W Power Supply	80
Operating Temperature	-30°C to +60°C
Environmental Rating	IP 67
Warranty	5 Years
Packaging	
Single Bag	40
Master Carton	960

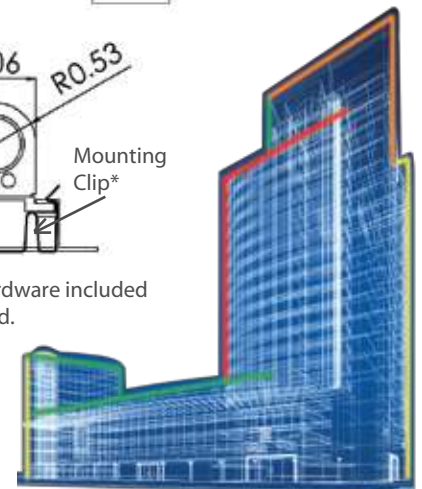| Loading Recommendation	
CV125-120 BLK (60W)	80 modules
CV125-120-277V BLK (60W)	80 modules
CV125-347 (60W)	80 modules
CV12125-MV (60W+60W)	80+80 modules

SkyLine *Rigid Border Tubing*

Easy mounting and non-bendable system with seamless connection. **Standard Colors, RGB Color Changing, and built-in RGB Color locking solutions available.** Customized sizing upon request.

Specifications			
Description	Standard SkyLine	RGB SkyLine	RGB SkyLock
Part Number	ARBT-XXYY	ARBT-XXRGB	ARBT-XXRGB LC
LED Channels	7 Standard Colors^	Red Green Blue	Red Green Blue
Input Voltage	DC 24V		
Power Consumption	2.4 Watt/Ft	7 Watt/Ft	Varies per color
Operating Temperature	-40°C to +70°C		
Environmental Rating	IP 67		
Warranty	5 Years		
Packaging			
Single Unit (Various Sizes)	Tubing		
Bulk Packaging	20 tubes in a box		
Loading Recommendation			
CV244-120-277 (96W)	37 ft	12 ft	Varies per color
CVW243-MV (80W)	28 ft	9 ft	Varies per color

^ Red, Yellow, Lemon Yellow, Orange, Blue, Green, and Cool White (6000K). Custom colors upon request.

*Installation hardware included but not attached.

DMX & WIFI Controllers - *For RGB3 System & RGB SkyLine*

Pre-Programmed DMX Master Controller (ACL-PPMC-DMX)*

- 16 sub-controller capability
- 32 preset programs available
- Develop your own color with 255 level of each red, green, and blue Microphone for sound control

- Maximum distance from DMX master controller to sub-controller is 200 ft##
- Speed and intensity can be adjusted
- 120 Volt AC power adaptor included

Dimensions: 3.82" L x 2.36" W x 1.57" H

DMX Master Controller (ACL-MC-DMX)*

- 512 Channel, 170 sub-controller capability
- Links sub-controllers together
- Multiple signs can be addressed individually
- Stores up to 32 user defined programs
- Uses DMX 512 protocol signal via XLR interface Can be powered by 120 Volt AC adaptor (included) or USB port (optional)

- USB programming interface
- Day, hour, and minute time settings
- Speed, fade, and strobe adjustable
- Maximum distance from DMX master controller to sub-controller is 200 ft##

Dimensions: 7.13" L x 4.75" W x 1.56" H

DMX Master Controller (ACL-ADC-SPI)*

- 512 Channel, 170 sub-controller capability
- 14 programs can be stored with SD card
- Day, hour, and minute time setting capability
- Maximum distance from controller to sub-controller is 200 ft##

- 120 Volt AC power adaptor, and SD card included

Dimensions: 7.75" L x 4.72" W x 1.85" H

Sub-Controller (ACL-SCD120-DMX)*

- Runs up to 80 modules of RGB3 System or 12 ft of RGB SkyLine Rigid Border Tubing
- Uses 12 VDC or 24 VDC
- 5 built-in dip switch preset programs

- Operates independently or as part of a system

Dimensions: 4.06 " L x 2.63" W x 1.13" H

Sub-Controller (ACL-SC3C4A-DMX)*

Front

Back

- Runs up to 80 modules of RGB3 System or 12 ft of RGB SkyLine Rigid Border Tubing
- Uses 12 VDC or 24 VDC
- 8 built-in dip switch preset programs

- Operates independently or as part of a system

Dimensions:
4.92 " L x 2.52" W x 1.57" H

WIFI Controller (ACL-WIFI-103)*

- Controls up to 80 modules of RGB3 System or 12 ft of RGB SkyLine Rigid Border Tubing
- Power Amplifier ACL-3063-3A can control an extra 80 modules per unit or extra 12 ft of RGB SkyLine Rigid Border Tubing with the same lighting effects
- Stand-alone Non-DMX system
- Maximum wifi control distance is 320 ft using the smart phone app

- Numerous variables/interferences may influence wireless distance
- Maximum RF transmission distance is 95 ft line of sight via remote control
- 32 preset programs and 9 user defined colors via hand held remote control

Dimensions: 5.02" L x 2.87" W x 1.75" H

(Remote sold separately)

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*   Non weatherproof
Using Allanson Signal Cable (ACL-DMX-CBL-100) can extend max distance from 200 ft to 400 ft

Accessories

Note: signal cable(CAT-5) not supplied.

RGB Signal Booster
(ACL-RGB-CATV-BOOSTER)*
• Boosts the DMX signal an extra
  400 ft when used with the Allanson
  Signal Cable or an extra 200 ft when used
  with the CAT5 Cable
• Multiple boosters can be used
Dimensions: 5.25" L x 2.75" W x 2" H

SPI Signal Amplifier and Splitter
(ACL-SPI-SA)
• Extends the SPI signal distance an
  extra 100 ft when used with the
  Allanson Signal Cable or an extra 60 ft
  when used with the CAT5 cable
• Multiple amplifiers can be used
Dimensions: 4" L x 1.25" W x 1.25" H

DMX512/Network Converter
(ACL-ARTNET-DMX)*
• Sending DMX signal over IP
  networks
• Can be configured in two ways:
  DMX512 to Network or Network
  to DMX512
Dimensions: 7.80" L x 3.07" W x 1.97" H

Power Repeater
(ACL-3063-3A)
• IP68 Waterproof
• Constant Voltage power repeater
• Duplicates RGB signal
• Multiple repeaters can be used
Dimensions: 6.42" L x 1.38" W x 1.10" H

DMX512/Network Converter
(ACL-ARTNET-OPENID)*
• Same as ACL-ARTNET-DMX,
  except open IP range configuration
Dimensions: 5.12" L x 2.36" L x 1.58" H

Signal Cable
(ACL-DMX-CBL-100)
• Shielded 3 wire signal cable
• 100 ft per spool
• UL Recognized

Accessories *For Wireless*

Note: numerous variables/interferences may influence wireless distance.

Wireless Options Between Controllers

DMX Wireless Kit
(ACL-DMX-WLS)*
• Wireless DMX signal
  transmitter and receiver
  with 3 pin XLR connector
• Max 320 ft wifi signal range
  for open area

DMX Wireless Receiver
(ACL-DMX-WLS-RECEIVER)*
• Wireless DMX signal receiver works
  with ACL-DMX-WLS transmitter
• Multiple receivers can be used with
  one transmitter

Wireless Options for ACL-WIFI-103

Remote Control for ACL-WIFI-103
(ACL-T3-RC)*
• Full color touch panel
• RF transmission distance is 95 ft line of sight
• 32 preset programs and 9 user defined colors
Dimensions: 6.61" L x 3.78" W x 1.34" H

**Constant Voltage Receiving
Controller for ACL-WIFI-103**
(ACL-T3-CV)*
• Wireless receiver with built-in antena
• Max wireless distance is 200 ft open area
Dimensions: 7" L x 1.90" W x 1.30" H

* Non weatherproof

WARRANTY

Allanson provides a 5 year warranty on complete ColorMix Lighting Systems. For more information, please contact Customer Service.

Customer Service

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www.allansonled.com

ColorMix
Lighting Solutions

For estimations and customized programming inquiries contact your Sales Professional and send .ai or .eps vector files to RGB@allanson.com

THINK
GREEN

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Information provided is subject to change without notice.