



iChroma Flood

Product Description:

Solid Apollo's **UL Listed** iChroma Flood RGB LED Wall Washer is the perfect solution for flooding with rich color light a wide range of spaces. Its 36 RGB High Power LEDs (12 Red, 12 green, 12 Blue), deliver amazing colors and brightness levels never seen before.

Thanks to its patented polycarbonate frosted wide angle output lenses, it can achieve a very precise color mixing, creating a perfect color projection without any blemishes or color mismatch.

iChroma Flood RGB LED Wall Washers are perfect for:

- Outdoor/Indoor projection of LED light
- Architectural and event LED lighting
- Room or space flood

Solid Apollo's iChroma Flood offers outstanding performance in any type of environment, thanks to its IP65 weather protection.

iChroma Flood Wall washer Main Features:

UL Listed

This product is UL Listed

DMX Control

Each iChroma Flood LED wall washer comes with embedded DMX512 protocol, 2 Input/Output XRL-DMX Connectors. This way the unit can be daisy chained to other units and run the same program seamlessly. This unit includes weatherproof sealing tape, in order to weatherproof all the DMX connections. There are a variety of simple and complex DMX controls available.

Auto Program

Each iChroma Flood LED Wall washer includes the auto program function, which enables the unit to run predefined internal programs, thus avoiding the necessity to acquire an external DMX Control system. Amongst the functions available in auto-program mode are the following:



- Single color selection, (7 colors available: White, Red, Green, Blue, Yellow, Cyan; Magenta)
- **9 Brightness levels** for single colors
- Fading program with 7 colors, and speed selection
- Flashing program with single color or moving colors

Die cast Aluminum body:

This unit can withstand hard abuse. Its tempered front glass, can withstand great impacts with out chipping or breaking.

UL Listed, RoHs compliant:

SolidApollo's iChroma Flood Wall washers are UL listed therefore offering the greatest quality at an affordable price without using contaminant components, which greatly deteriorate our environment.

Available DMX Controls:

- [Light Drive RGB](#)
- [Light Drive Elite](#)

Ideal for Lanscaping, Building Facade and Indoor Lighting



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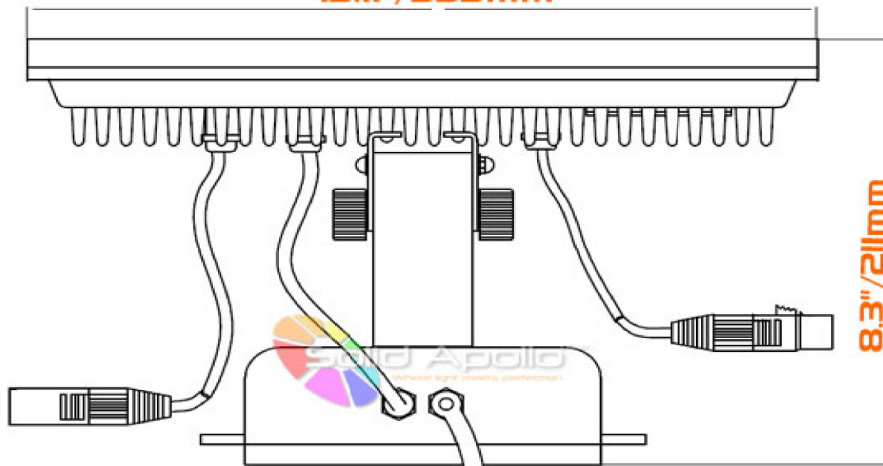


iChroma Flood™



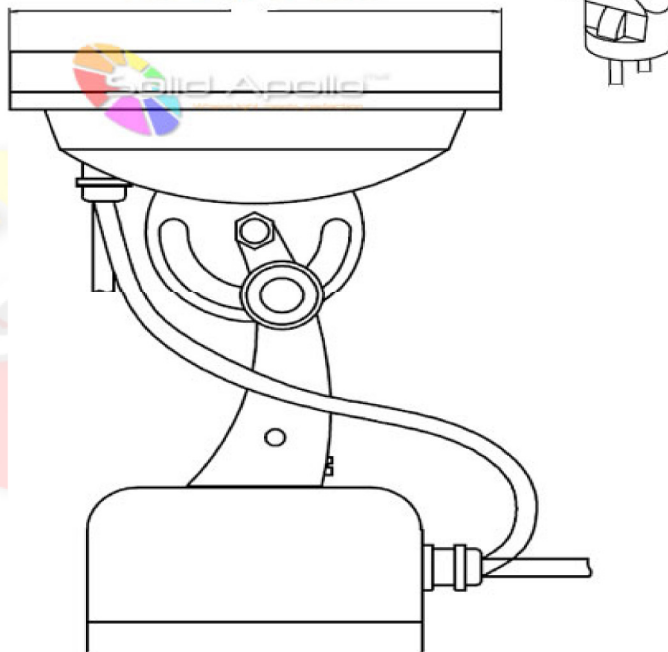
Product Dimensions

13.11"/333mm



8.3"/211mm

5.78"/147mm



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iChroma Flood User Guide

NOTE: The purpose of this user guide is to explain the necessary steps for use of iChroma Flood, and to assure peak performance of said product. It is intended for use as reference by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code. Please read this entire manual to fully understand and safely use this product. Specifications are subject to change without notice.

GETTING STARTED This guide contains important information about installing and operating your new iChroma Flood safely and accurately.

Cautions 1) Risk of electric shock. Ensure that the power supply is off when wiring or soldering the sections of the device. 2) The device should be installed and operated by a qualified electrician or technician in accordance with relevant local codes. 3) Do not use sharp tools near or on the surface of the device

User Responsibilities

The responsibility of complying with all state and local laws, ordinances, and regulations in regards to the installation, maintenance, and operation of the device lies with the buyer and handler of the device. These parties may include, but are not limited to the contractor, installer, purchaser, owner, and user of the product.

PLANNING THE INSTALLATION This device installation requires planning to ensure timely installation with minimal complications and down time.

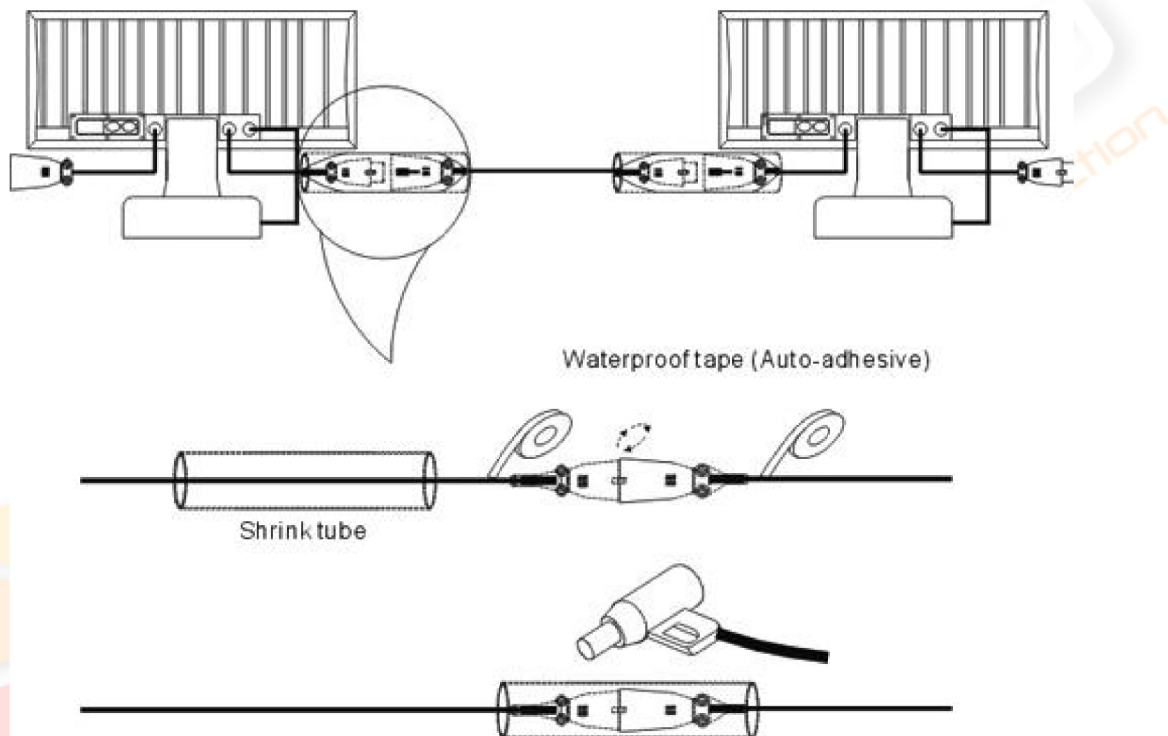
Planning Suggestions Consult an Electrical Inspector to review all wiring plans. Create a Layout Plan drawing, per a Lighting Designer's or Architect's recommendation.

Installation Considerations When creating your installation plan, consider the following: 1) Location of the device iChroma Flood is suitable for only dry, wet and damp environment. 2) Control System iChroma Flood can be controlled by RGB DMX Controller. Synchronous color changing might be considered before installing. 3) Lighting Distance The maximum lighting distance for iChroma Flood is around 20 meters (65 feet). 4) Maximum Series-wound Length 100 meter (328 feet). A Signal Amplifier is needed between every 100 meter (328 feet) distance.



Installation Steps

- 1) Place IChroma Flood at planned location and direct it to architecture surface.
- 2) Adjust the rotary angle to requested angle.
- 3) Connect IChroma Flood to each other; Signal Amplifiers are needed to connect between every 100 meters or 328 feet.
- 4) Complete waterproof treatment at every joint of signal connectors. (Please refer to picture below)



- 5) Connect the DMX Console to the first IChroma Flood.
- 6) Plug the first IChroma Flood and DMX console into power outlet to light up the whole system.



Operation Instruction

(1) Function of Buttons

Button	Control Mode	Function	Example
	DMX-Control	Display the DMX address selected (valid DMX address from 001~512)	
	Self-Control	Display the color changing mode and speed selected (P=self-control, X=mode, Y=speed)	
	DMX-Control	Select a parameter to set	-
	Self-Control	Select mode/speed to set	-
	DMX-Control	Set corresponding parameter	-
	Self-Control	Set corresponding mode/speed	-

(2) How to access and set under DMX-Control mode

- Once the wall washer is connected to DMX console, it will access DMX-Control mode.
- Press button "A" to select a parameter to set the DMX address.
- Press button "B" to set the DMX address.
- Valid DMX address range: 001~512. (You need refer to the user guide of the DMX Console for more operation information.)
- Each wall washer occupies three DMX channels including red, green and blue. For example, the wall washer at DMX address 001 occupies the channel 1, 2 and 3; the wall washer at DMX address 256 occupies the channel 256, 257 and 258.

(3) How to access and set under Self-Control mode

- Press button "A" four times, it will access Self-Control mode and shows "PHY".
- Press button "A" once, certain digital LED starts to flash and access corresponding setup (mode).
- Press button "B" to set the corresponding setup (speed or brightness). The digital LED increase one bit once (values 1~9)
- Master/Slave Mode:

- ① choose one wall washer as the master and set the DMX address as 001
- ② choose other wall washers as slaves and set the DMX addresses as any address except 001
- ③ press button "A" of the master wall washer four times, access Self-Control mode
- ④ change the mode of the master wall washer, and then all slave wall washers will work synchronously



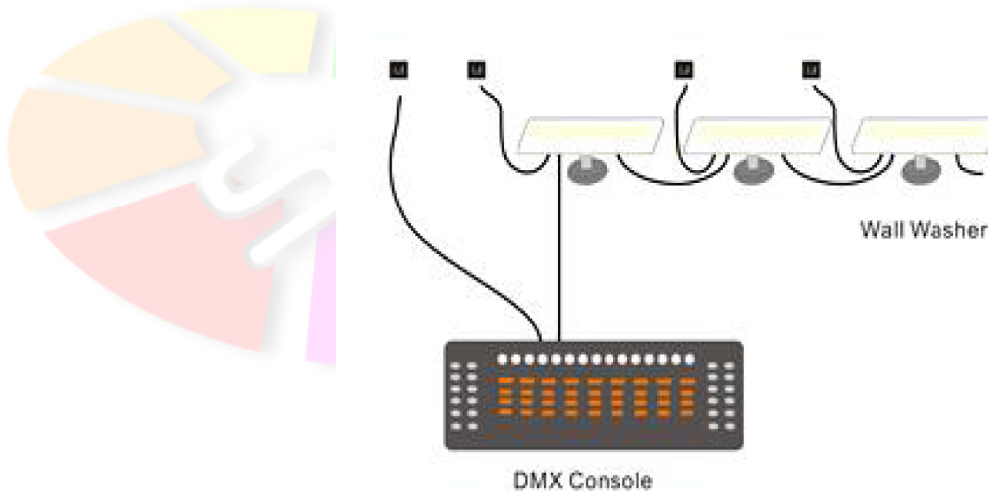
E. Parameter form of "PXY"

P	X (mode)	Y (speed/brightness)
-	1 (Static Red)	9 brightness levels, (brightest when setting 9)
-	2 (Static Green)	9 brightness levels, (brightest when setting 9)
-	3 (Static Yellow)	9 brightness levels, (brightest when setting 9)
-	4 (Static Blue)	9 brightness levels, (brightest when setting 9)
-	5 (Static Pink)	9 brightness levels, (brightest when setting 9)
-	6 (Static Cyan)	9 brightness levels, (brightest when setting 9)
-	7 (Static White)	9 brightness levels, (brightest when setting 9)
-	8 (Multi-color jumping)	9 speed levels, (fastest when setting 9)
-	9 (Multi-color fading)	9 speed levels, (fastest when setting 9)
-	A (Multi-color flashing)	9 speed levels, (fastest when setting 9)

(4) How to exit from selected mode?

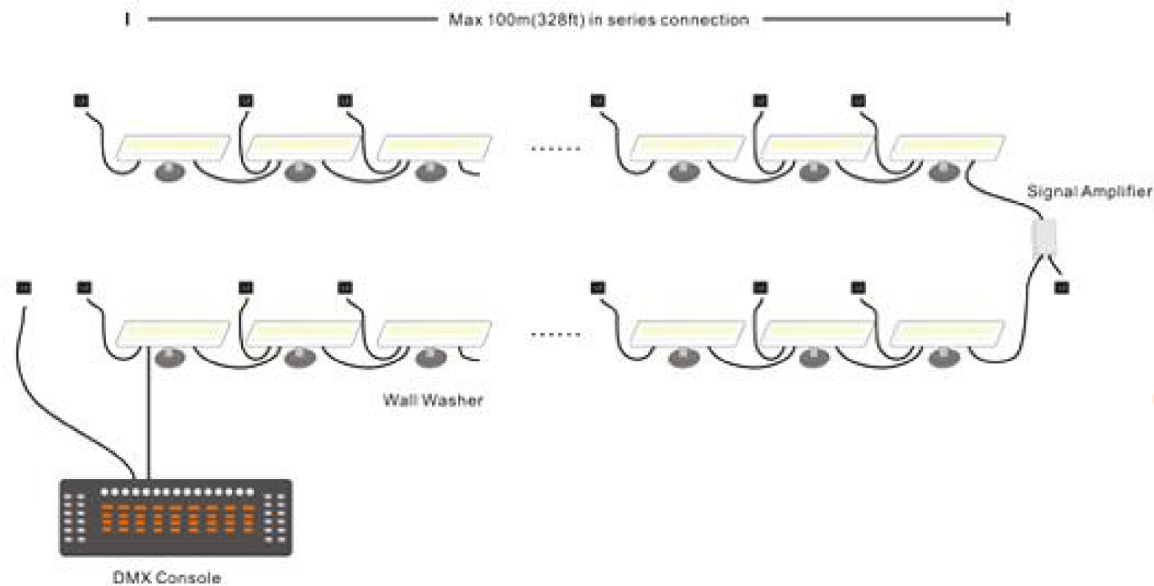
After pressing certain button, please wait for around 10 seconds, it will exit from selected mode. The digital LED stops flashing and the wall washer will memorize the selected mode and parameter.

Wiring Diagram





iChroma Flood™



SolidApollo iChroma Flood RGB LED Wall Washer Specifications Input Voltage: 100VAC~256VAC
 Color: RGB, LED Qty: 36 LEDs Lumens (single LED): 528lm (Red), 840 lm (Green), 180 (Blue). Power Consumption: 55 W (Max.) Beam Angle: 45° Dimension: L333*W147*H210 mm (L13.11*W5.79*8.27 inch)
 IP Rating: IP65 (applicable for dry, wet, damp environment)

LED SOURCE LIFE Traditionally, the definition of life for light sources is defined at the point which 50% of the lamps fail under specified conditions. However, all necessary components in a LED lighting system will determine useful life time. According to the industry standard, SolidApollo uses the concept of useful light output and rates product life time at standard of "less than 50% lumen maintenance of original light output". LED exhibits very long operational life time, typically 50,000 hours or more. However, like all light source, LED light output can degrade and also undergo gradual shifts in color over time. LED chips, performed lighting effects and working environmental conditions, such as temperature, humidity, and ventilation will affect LED lumen maintenance. The overall LED Lighting System life time could vary substantially based on usage and environmental condition. SolidApollo always adopts brand chips and high quality materials and components to make LED Lighting Systems.

QUALITY WARRANTY This product is sold pursuant to SolidApollo's Standard Terms and Conditions which can be found at <http://www.solidapollo.com/returns-amp-warranty.html> and which contain important provisions, including, among others, the Quality Warranty, exclusions and limitations on SolidApollo's liability for damages, and restrictions on available remedial actions.
 For any after-sales assistance, please contact our Customer Service Team at info@solidapollo.com. All your concerns and requests will be handled within 12 hours.

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