



CLAR

## **FlexLite**

**Rollable Wireless  
Bicolor SMD LED Panel**

The Flexible LED Light Panel  
that shapes your expression.



## Foreword

The state of the art CLAR FlexLite Wireless BiColor SMD LED frees you from the rigid shape and deployment of the traditional LED video light. Roll it in a cylinder. Shape it to a rounded corner. Mount it as a panel. Adapt the light to fit your custom dimension application, without fear of shorts or lamp failure. The FlexLite is as dexterous as you are; even adheres to the of the interior roof of a car, under a cabinet, over a soffit, and within a lampshade. The LED array retains the shape you design while the structure withstands the torture of the roll without damaging delicate electronic elements. All the while, assuring you hit the color balance of your choice, from tungsten to daylight, and precise brightness, all from the comfort advantage of wireless remote control.

The innovative LED separates the delicate circuit board from damage and frees the panel of bulbs to assume the shape you desire. Plus, the FlexLite features a special patented design. The panel is composed of parallel LED strips, each is a separately wired element! Every strip is user removable, replaceable, and interchangeable, independently seated within a separate channel in the flexible panel. Never again will a lamp failure ruin your fixture or force you to buy a new light. The FlexLite is truly flexible to your needs.

The CLAR FlexLite Softbox with Grid fits onto the FlexLite LED panel directly when mounted on the included X-frame. The silver interior gathers and blends the LED output, assembles in minutes, and may be used with or without the removable front diffuser. The included fabric grid creates a more directional output, limits spill and helps to eliminate lens flare.

## Features

- Thin, lightweight design for easy morphing into shapes
- Advanced Surface Mount Design (SMD) LED chips
- Patented user removable and replaceable LEDs
- Precise 3300°-5600° K BiColor color temperature
- Exceptional Color Rendition Index exceeding 96 RA
- Exact and smooth 10-100% brightness dimmer
- Resists moisture and moist environments
- Clean flicker-free illumination
- Built-in 433MHz receiver for remote control featuring 16 channels
- Links to Smartphone R2 APP for Apple and Android
- Mounts securely to light supports and liberal Velcro suspension
- Powered by AC adapter or a V-Mount battery

## Safety Warnings

- The environment should be kept dry and ventilated when using the light. The unit should never be exposed to water and moisture. Take heed when operating outdoors in precipitation.
- Do not attempt to modify the unit yourself. If it becomes damaged please contact your vendor or take it to an authorized repair service. Do not disassemble this equipment. Touching the product's internals could result in injury. In the event of malfunction, the product should be repaired only by a qualified technician.
- Do not let children play with the unit. Keep the light out of reach from children.
- Serious damage may occur by using near people or animals' eyes. That can cause. Please do not directly look at the illuminated light.
- Should smoke come from the unit, disconnect the power immediately and place it in a safe location. It is normal for the fixture to become warm when working.
- Do not use the light near flammable liquids or vapors, like gasoline.
- If you are packing the light, please triple check that it is turned off.
- After using the light for extended periods, allow it to cool before storing, to avoid damage to the electronic components.
- Do not use the light to support any other equipment or lift your imaging device by the unit.
- Please use the soft dry cloth to clean the light. If necessary, carefully wash with a cloth dampened with neutral detergents, and then dry with a soft cloth.
- Use prudence and attach to a support with the stand adapter.

## Specs

Shape	Rectangular
Interior	Silver
Accepts Grids	Yes
Removable Front Face	Yes
Removable Interior Baffle	No
Material	Fabric
Rectangular Dimensions	<b>CLR1212</b> 50W - 11.8 x 11.8" / 30.0 x 30.0 cm <b>CLR1620</b> 100W - 15.75 x 23.6" / 40.0 x 60.0 cm <b>CLR48</b> 150W - 9.8 x 48.0" / 25.0 x 122.0 cm <b>CLR2424</b> 150W - 23.6 x 23.6" / 60.0 x 60.0 cm

## Body

1. Main Body
2. Control Panel
3. Power Switch
4. Group/Channel Button
5. Select Dial for Light Brightness
6. Select Dial for Color Temperature
7. Battery Compartment
8. Power Input
9. Output Control Port
10. Thermovent 1
11. Thermovent 2
12. 433MHz Antenna
13. Bluetooth Antenna



## Included Items

1. CLAR FlexLite LED Panel
2. Controller
3. Power Cord
4. AC to DC Power
5. RC-A5 Remote Control
6. Foldable X Frame Bracket
7. Stand Adapter
8. Battery Strap
9. Travel Bag



## Separately Sold Accessories

CLAR FlexLite softbox modifiers transforms your panel into a lightbank with diffusion and gridded spill control.



## Setup Options



Use in combination

FlexLite create your own custom shape! Roll, fold or form.

## Installation

1. Unfold the CLAR FlexLite and open the foldable X-frame bracket. Insert the bracket arms into the LED panel corner pockets.



2. Use the stand adapter to attach the assembled FlexLite LED panel and flexible LED light on the light stand.



3. Insert the cable from the FlexLite panel into the Output Control Port of the controller. Insert the Power Adapter Cable from the FlexLite panel to the Power Adapter socket on the bottom.



4. Connect the power source with Plug the AC to DC Power Adapter to a 110~240v source.



## Softbox Installation

1. Unfold the Softbox to form a rectangle.
2. Attach the Velcro hinged flaps to the back edge of the constructed FlexLite on the X-frame.
3. Attach the front diffuser onto the Velcro inner edge of the FlexLite. Take care to apply the diffuser with clean adhesion.

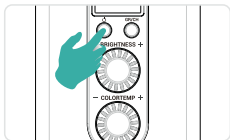
The included EggCrate can be attached to the Softbox to control light spill or direct the coverage.



## Operation

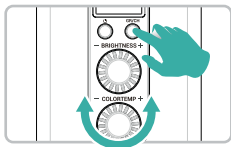
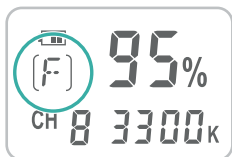
### 1. Power on/off:

Long press the Power Switch to power the LED light on or off.



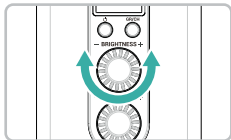
### 2. Set the Group and Channel:

Press GR/CH button once, and turn the Select Dial to change the Channel value. Press GR/CH button again and turn the Select Dial to change the Group value. Press GR/CH button to exit.



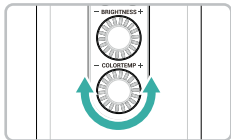
### 3. Light Brightness Adjustment:

Turn the Select Dial for Light Brightness to change the value from 10% to 100%.



### 4. Color Temperature Adjustment:

Turn the Select Dial for Color Temperature to change the color temperature value to any setting from 3300°K to 5600°K.



## Wireless Control (433MHz wireless & smartphone APP through Bluetooth)

1. The included Wireless Controller remotely controls FlexLite panel series Group, color and brightness. Up to 6 Groups of flexible LED light can be controlled. 16 Channels are available with advanced signal interference capability. Set the Channel and Group of the FlexLite to the same as those of RCA5 remote control.

### Setting the Channel/Group of the Controller

- Press the GR/CH button and the Channel icon blinks. Turn the Light Brightness or the Color Temperature Select Dial to choose a Group ID (A to F).
- Press the GR/CH button twice and the Group icon blinks. Turn the Light Brightness or the Color Temp Select Dial brightness or color temperature to choose a Channel ID (1 to 16).

### Channel/Group of the Remote Control

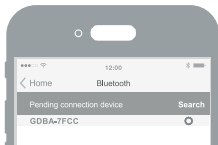
- Press the CH/GRP button and the Group icon blinks. Press the "-" or "+" button to choose a Group ID (A to F).
- Press the CH/GRP button twice and the Channel icon blinks. Press the "-" or "+" button to choose a Channel ID (1 to 16).

### Adjusting Light Brightness/Color Temperature with the Remote Control

- Press the "-" or "+" button to adjust the light brightness.
- Press the SET button of the remote control once and the color temperature icon blinks. Press the "-" or "+" button to adjust the color temperature.

**Note:** The wireless signal can be received only when the controller is power on.

2. CLAR FlexLite Series LED panels can also be controlled by smartphone APP for iPhone or Android through Bluetooth with 6 Groups and 16 Channels.
- Bluetooth connection: power the LED light on and long press the GR/CH button until a Bluetooth ID is displayed on the controller. Then, open the APP, click the Bluetooth and choose the corresponding Bluetooth ID of the controller. Finally, enter the password (the initial password is "000000"), and the Bluetooth is successfully connected.



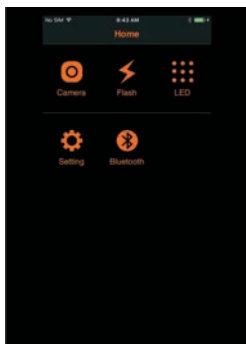
Scan the QR Code to download the R2 App directly to your Apple iPhone.



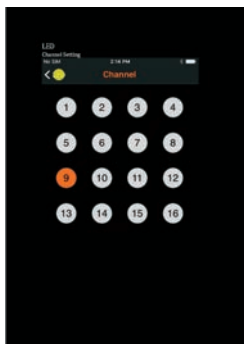
Scan the QR Code to download the R2 App directly to your Android Smartphone.



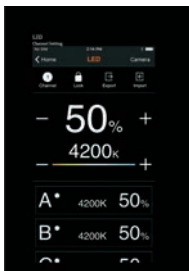
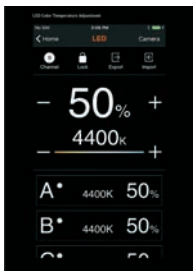
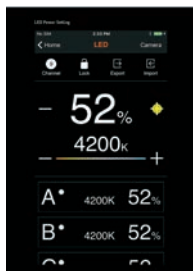
For full instructions on FlexLite remote LED using the R2 Smartphone APP for iPhone or Android, please refer to the Help section within Settings.



Bluetooth connect page.



Channel selection page.



LED Brightness Level, Color Temperature and Group control pages.

## FlexLite LED Strip Replacement Process

A unique feature of the CLAR FlexLite is the user replaceable SMD LED lamp modules that are housed within channels on the panel. The process is straightforward and insures a long life of lighting service when followed carefully.

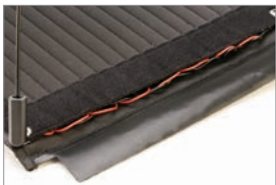
The position of each LED strip is important for the proper BiColor operation of the panel. The LED strips alternate between tungsten and daylight color balance bulbs. You must replace the LED strip with the same color temperature value, tungsten/3300°K or daylight/5600°K, for the BiColor temperature variation feature to work properly.

The replaceable SMD LED strips are available by special request.

1. Locate the LED strip you want to replace.  
Count the row position on the panel.
2. Turn the LED panel face down on a tabletop.  
Open the Velcro flap on the top and bottom. Confirm the strip row place number.



3. Under the flaps, wiring is revealed that lead to each LED strip. Pull gently on one end of LED strip until the wired connector with a white pin sheath is exposed.



4. Grasp the LED strip firmly through the back of the panel so that it does not move and remove the pin inserted within the white housing.



5. Push the LED strip back into the panel channel far enough to travel to the other side. Go to the opposite end of the same LED strip position. Pull the pin from the white connector as you did in Step 4.

6. Carefully pull the LED strip out of the panel's channel. The strip is not sensitive to touch, but care must be taken not to bend the assembly.



7. Slip the replacement LED strip into the same channel, taking heed to fit between the clear plastic facing and the pouch. Leave one end slightly outside of the channel so that the white connector is exposed and accessible.
8. Reconnect each end of the LED strip by aligning the pin to fit into the socket port inside of the white connector end.





9. After both ends are connected, the LED strip placed back in the panel channel and securely seated properly, close the Velcro lined flaps to protect the wiring.
10. You are ready to go! Enjoy your FlexLite!

## Specifications

Flexible LED Light	CLR2424	CLR1048	CLR1620	CLR1212
Power Supply	AC100V-240V(50/60HZ)			
DC Power Supply	3.5A (DC16.8V 10A)		3A (DC16.8 7A)	2.5A (DC16.8 4.2A)
Lithium Battery	V-Mount port			
Power	150W		100W	50W
Color Temperature	3300°±200K~5600°±200K Bicolor			
Photometrics 4400° K - All LEDs 100% at 1 meter	< 6900 lux	< 5200 lux	< 5400 Lux	< 2100 Lux
TLCI	≥ 98			
CRI	> 96			
Light Brightness Range	10%-100%			
Operation Temperature	14°F-113°F / -10°C-45°C			
Channel	16			
Groups	6 (A, B, C, D, E, F)			
Wireless Remote Control Distance	98 ft / 30 m			
Dimension	24x24" / 61x61cm	10x48" / 25x122cm	16x20" / 40x50.8cm	12x12" / 30.5x30.5cm
Net Weight (only the main light panel)	11.7lb / 5.3kg	11.6lb / 5.2kg	9.6lb / 4.4kg	6.6lb / 3.0kg

## FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## One Year CLAR Limited Warranty

CLAR warrants to the original purchaser that your CLAR product shall be free from defects in material and workmanship for the period of one (1) year from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later.

CLAR's entire liability and your exclusive remedy for any breach of warranty shall be, at CLAR's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as CLAR may direct with a copy of the sales receipt or dated itemized receipt. CLAR may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts comply with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by CLAR, except where such restriction is prohibited by applicable law.


Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws. To start a warranty claim, contact the CLAR Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to CLAR, along with the RMA number and proof of purchase.

### **Question about our product line? Need Product Support?**

We are proud of our products and celebrate our customers. We are with you, from product selection to everyday use. Be secure with your purchase and reach us as you need.

 212-647-9300

 [brands@adorama.com](mailto:brands@adorama.com)

 Adorama Brands,  
42 West 18th Street,  
New York, NY 10011

You can always contact us at [BRANDS@ADORAMA.COM](mailto:BRANDS@ADORAMA.COM) for personal technical support.

Our website contains a wide range of Support and FAQ pages with valuable technical assistance.

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CLR1048 10x48in / 25x122cm 150W  
CLR2424 24x24in / 60x60cm 150W  
CLR1620 16x20in / 40x60cm 100W  
CLR1212 12x12in / 30x30cm 50W

Adorama Inc., New York, NY  
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