



CLAR

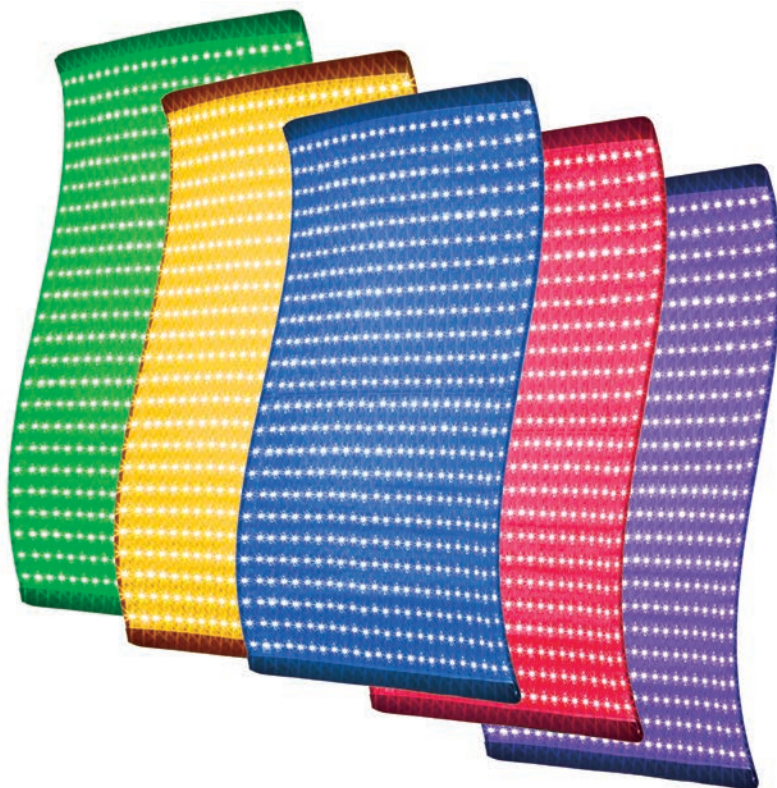
FLEXLITE

Flexible RGB SMD LED
Lighting Mat Panels



Manual for:

- **CLR748RGB**
CLAR 24×48 RGB DMX FLEXLITE 300W SMD LED with DMX
- **CLR736RGB**
CLAR 18×44 RGB DMX FLEXLITE 200W SMD LED with DMX
- **CLR724RGB**
CLAR 25×25 RGB DMX FLEXLITE 150W SMD LED with DMX
- **CLR718RGB**
CLAR 18×24 RGB DMX FLEXLITE 100W SMD LED with DMX



Congratulations! You have acquired the state of the art CLAR RGB FLEXLITE flexible panel that 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. It is as bright as you are; even adheres to the roof of a car, under a cabinet, over a soffit, and within a lampshade... As strong as the day it was made; ready for action as you imagine.

The RGB LED combine three dazzling colors to produce over 16 million hues of light. Applications for this marvelous feature include matching the variety of ambient and environmental color temperatures. Now, a perfect RGB formula can be dialed into the control box to 'invisibly' blend the artificial light with the 'found' light. Create dramatic and fanciful unlimited color wheel effects with fingertip ease. Generate sunlit fill effect for glamour and upscale fashion shoots when the sun has disappeared behind clouds. Gone is the frustration of matching gel and filter equivalencies when RGB LED's are employed.

The latest RGB LED SMD technology combines with a mat thickness of only 10mm to perform a pliable and flexible movement. The FlexLite comes in multiple sizes to provide superior solutions for studio or location challenges. Whether it's a tight spot or an unheard of shape, the lightweight FlexLite can do the job. The broad spectral 95+ CRI, wireless features the latest innovative LED technology, SMD surface mount design, combined with RGB and Bi-Color capabilities. The advanced SMD LED chips provides a fantastic cool, flicker-free performance, powered by a single NP-F L-Series battery or an AC adapter for continuous power. Enjoy the digital daylight to tungsten color-changing and 10-100% output at a touch of a button, either on board the wired remote control center or with the 2.4GHz RC5 handheld wireless remote. The included X-Frame transforms the FLEXLITE into a LED panel for traditional lightstand placement.

Mobility, portability, flexibility. The goals of every location image creator. The FlexLite malleable powerhouses are ideal for the environmentally aware videographer in any challenge. New lighting solutions bloom from creativity and the need for innovation. FlexLite to the rescue, without sacrificing lumens, no matter where you set up shop.

Features

- Thin, lightweight design for easy morphing into shapes
- Advanced Surface Mount Design (SMD) RGB LED chips
- Precise 2700°-9999° K color temperature selection
- With 16 Million possibilities - The Color doesn't stop!
- Imitate and Blend to Any Light Temp
- Exceptional Color Rendition Index exceeding 95 RA and TLCI of 96
- Exact and smooth 0-100% brightness dimmer
- Resists moisture and moist environments
- Clean flicker-free illumination
- Built-in 2.4 GHz receiver for remote control featuring 99 channels
- Mounts securely to light supports and liberal Velcro suspension
- Powered by a V-Mount batteries or AC adapter

FLEX your Light Muscles

16 Million Colors to FLEX your Imagination

Included Elements

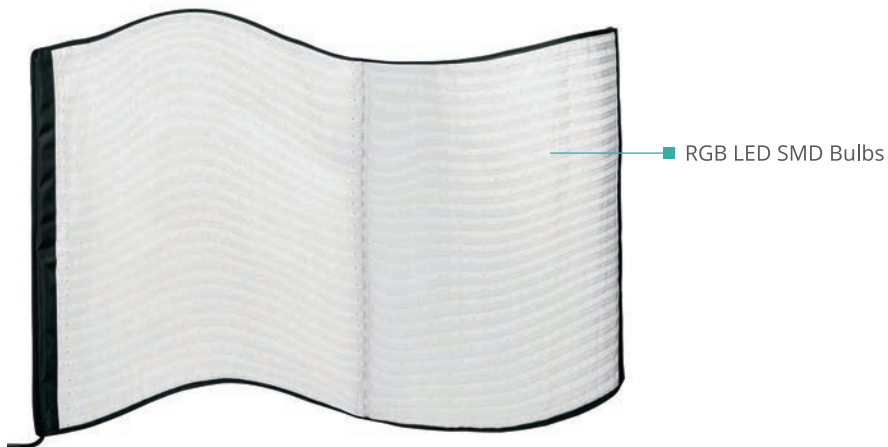
CLAR RX36RGB Kit shown. Each model has unique contents.



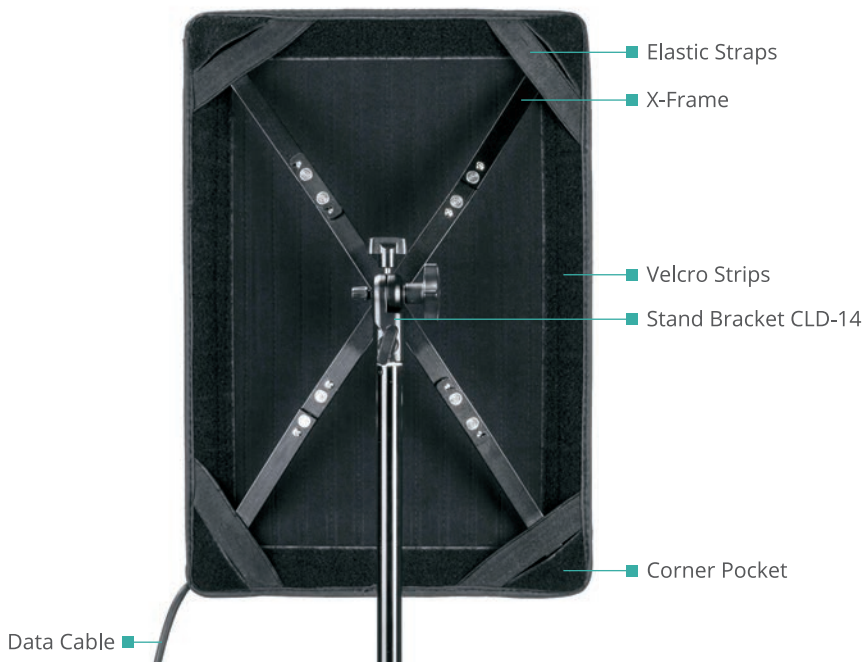
- CLAR FlexLite RGB Panel
- RGB Control Box
- RC5 Wireless Remote
- Velcro Loops
- Velcro Strips
- AC Power Cord
- V-Mount Strap
- Wireless Radio Antenna
- X Frame
- Stand Adapter
- AC/DC Power Adapter
- Travel Case

Meet the RGB FLEXLITE

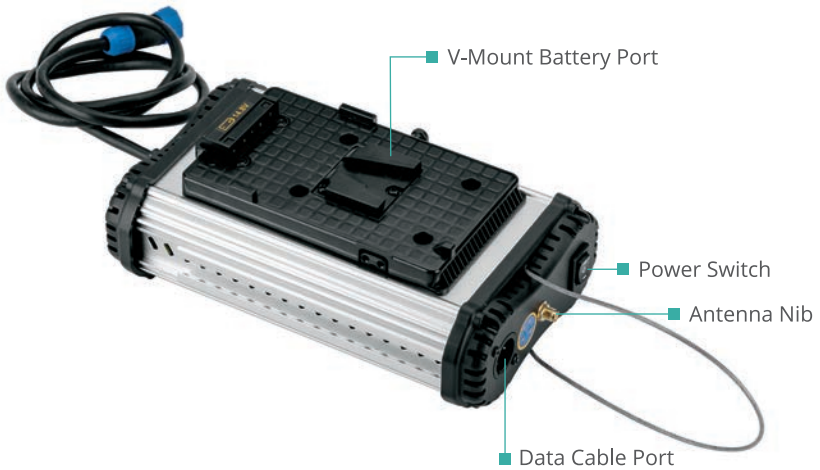
FLEX Panel – Front



FLEX Panel – Back



Standard Features of CLAR FlexLite Control Boxes

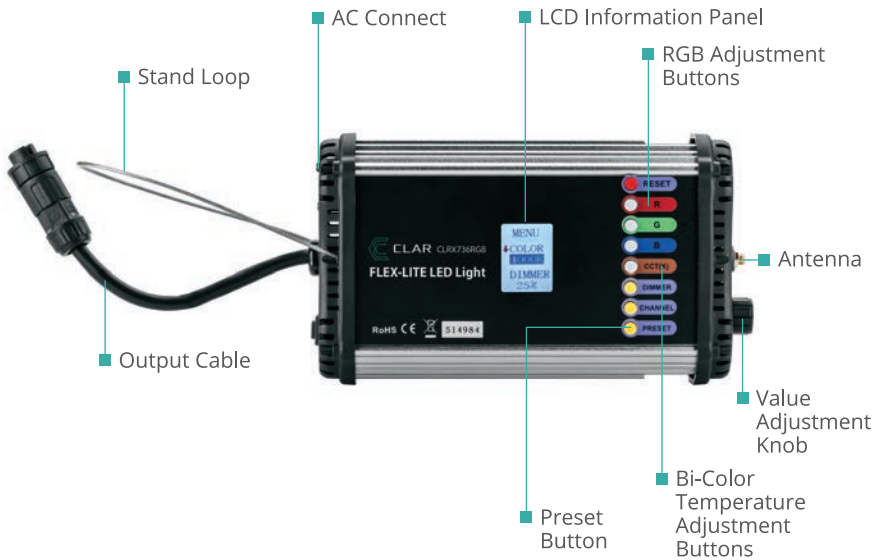


As seen on the CLAR FlexLite RGB RX-736



As seen on the CLAR FlexLite RX748

Control Box Overview



RX718 / RX724 Control Unit

[Value Adjustment Knob is located on the right side of the RX736 and RX748 models.]

There are slight differences in the shell casing of the control units, but the operation is the same in these models.

The Control Box Simplified Instructions

Operating the various FlexLite RGB Control Boxes is relatively straightforward.

1. Connect the FlexLite light panel Data Cable to the Controls Box Output Cable.
2. Use the AC cord to power the light directly to a 120-220V main or attach a V-Mount battery to the reverse side of the Control Box.
The RESET button quickly removes any RGB, CCT(K), Brightness values while retaining the Channel selection.
3. Control the Series FlexLite RGB Color Temperatures by selecting one of the R, G, B color buttons. Rotate the Adjustment Knob to alter the value. Pressing the Knob alternates the adjustment increments between [S] single degrees Kelvin and [F] 10-degree steps. The range of each color channel is 0 – 255 steps. Using combinations of the three channels can produce a blend of more than 16 million hue permutations with the light intensity regulated by the brightness Dimmer.

4. Daylight and Tungsten Color Balance (Bi-Color) is directly set by using the CCT(K) button and the Adjustment Knob. Select the COLOR temperature value by rotating the Adjustment Knob. Pressing switches the increments between [S] 50 degrees Kelvin and [F] 200-degree steps, from 2700°K to 9999°K. All RGB values must be set to ZERO and the PRESET to OFF for color purity in Bi-Color Mode.
5. Brightness levels are set with the DIMMER button and altered using the Control Box Adjustment Knob. Pressing switches the increments between [S] single percentage steps and [F] 5% degree steps, from 2700°K to 9999°K.
6. DMX connectivity and selection is possible from 000 to 512 with any of the RGB Series. Press the CHANNEL button to dial in the setting with the Adjustment Knob. Pressing switches the increments between [S] single digits and [F] 10 digit steps, from 000 to 999.
7. Nine color settings are internally stored for instantaneous hue application using the PRESET button. The feature is canceled by rotating the value to OFF.



FLEXLITE Deployment Strategies

X Frame Assembly



1. Unfold the X Frame and fully open each arm of the frame.
2. Make sure that the jointed connector with pin pockets for each segment is firmly seated.
3. Insert the end of each arm into the corner pocket of the reverse side of the panel.
4. Secure the assembled FlexLite to the Stand Bracket adapter for use on a light support.

Velcro Options

The lightweight FlexLite panel lends to creative lighting solutions where a heavy, stiff LED panel is not practical, considering weight and support issues. The back of each FlexLite panel has a Velcro strip border. The hook-and-loop material instantly clings to most textured fabrics, from upholstered furniture to car interior ceilings. Velcro strips may be applied to solid surfaces to help the contour-conforming FlexLite hold its shape and firm the desired position.

The V-Mount Strap fits in the V-Mount battery port lock on the back of the Control Box. Snap the strap into place in the V-Mount port, and wrap the V-Mount Strap about the light support, a pole or an irregular object. The Control Box is secure and is in proximity to the FlexLite panel, without any visible means of support.

CLAR Wireless 2.4GHZ Remote Control

RC-5 for the CLAR FLEXLITE RGB Series

The CLAR Handheld Wireless Remote is your expressway to superior control of the CLAR FLEXLITE RGB SERIES of LED lights from your fingertips via wireless 2.4GHz Radio innovation.

One multi-purpose control wheel act as an interface for every function and nuance, from brightness level to color temperature, individually and globally.

Features

- 2.4 GHz Wireless Remote Control
- Clear LCD report of status and settings
- Individual or Group control by use of Channels
- A wide range of 999 channels for signal purity and DMX connectivity
- Ready for action with last setting memory in standby mode
- Controls light intensity from 0-100%
- Varies RGB and Bi-Color Color Temperature from 2700°K through 9999°K
- 16 million combinations of colors with 0-255 hue points per channel
- Powered by 3 AA alkaline batteries

Overview

1. LCD Menu
2. Screen A: Color Temperature
Screen B: RGB
Screen C: DMX Channel
3. Screen A: Dimmer Brightness Value
Screen B: Preset
4. Adjustment Wheel
Turn to vary value. Press to switch the increments between [S] single units and [F] 10-degree steps
5. Power Button
6. Value Select Buttons
UP and DOWN arrows



Operating Instructions

Power

Insert 3 AA alkaline batteries into the rear chamber of the RC-5 Remote. Press the Power Button [5] to turn ON the RC-5 Remote.

Channel ID

Set the Channel to any number to link CLAR RGB FLEXLITE units with the same setting on the fixture Control Box for wireless operation with the RC5 Remote. By designating unique numbers for each pair, many devices may have individual control. A group of lights that share the same Channel ID's, work in tandem for Brightness and Color under the remote radio power of the RC-5.

Set the Channel value [2 – Screen C DMX CH] to match the target FlexLite fixture.

1. Press the UP or DOWN buttons to display the DMX CH Menu screen [2-Screen 3] on the LCD.
2. Turn the Adjustment Wheel to the value of choice. The number area is highlighted to indicate the change status. Pressing the Wheel alternates the adjustment increments between [S] single digits and [F] 10 digit steps. The range of each color channel is 000 – 512 steps.
3. Touch any UP or DOWN button to fix the Channel.

Brightness

1. Menu Screen A displays the brightness level under the DIMMER title.
2. Press the Arrow until the area is highlighted.
3. Turn the Adjustment Wheel increase or decrease the intensity. Pressing the Knob alternated the adjustment increments between single percentage variations and 5 steps. The range of each color channel is 0 (OFF) to 100%.
4. Press one of the arrows when the number is set.

Color Temperature

1. Touch the COLOR [2- Screen A] UP or DOWN Arrow button on the remote.
2. The top line displaying the Kelvin value is highlighted.
3. Rotate the Adjustment Wheel to reach the desired temperature, from 2700°K to 9999°K in single or 50K increments. Pressing the Knob alternated the adjustment increments between [S] single degrees Kelvin and [F] 50-degree steps.
4. Press one of the arrows when the number is set.

RGB Mode

1. Select [2 - Screen B] to reveal the RGB dialog display. Each color channel value can be designated to create the exact hue and intensity you want, precisely.
2. Press the Arrow until the color family, R/G/B is highlighted.
3. Turn the Adjustment Wheel increase or decrease the intensity. Pressing the Knob alternates the adjustment increments between [S] single degrees Kelvin and [F] 10-degree steps. The range of each color channel is 0 – 255 steps. Using combinations of the three channels can produce a blend of more than 16 million hue permutations with the light intensity regulated by the brightness Dimmer.
4. Press one of the arrows when the number is set to match a scene, imitate the glow of sunlight fill, blend into the existing interior environment, or go for that smashing intense color effect.
5. Press one of the arrows when the number is set.

Preset

Nine dynamic color settings are stored for an instantaneous application using the PRESET button.

1. Select [3 - Screen B] to reveal the PRESET dialog display.
2. Press the Arrow until highlighted.
3. Turn the Adjustment Wheel increase or decrease the setting. Observe the output of the RGB Panel to find the color of choice.
4. The feature is canceled by rotating the value to OFF.
5. Press one of the arrows when the number is set.

Specifications

CLAR FLEXLITE RGB FIXTURE	FLEXLITE 24×48" 300W Wireless RGB SMD LED with DMX
SKU	CLR748RGB
Flex Panel Dimensions	24 × 48" / 61 × 122cm
Number of SMD LEDs	576 RGB / 576 Daylight / 576 Tungsten
Photometrics @ 0.5m	RGB 5600: 15,000 / RGB 2700: 13,100 / Daylight: 13,400 Lux
Photometrics @ 1.0m	RGB 5600: 5,670 / RGB 2700: 5,020 / Daylight: 5,110 Lux
Photometrics @ 2m	RGB 5600: 1,830 / RGB 2700: 1,610 / Daylight: 1,630 Lux
Brightness Range	0-100%
Color Temperature	2700°K-9999°K
Color Rendition Index	95+ Ra
Beam Angle	10° - 360°
Cooling System	Airflow
Control Display	LCD on Control Unit
Flex Panel Weight	4lb 0.2oz / 1.82kg
Mounting	X-Frame to stand
AC Input	100-240VAC, 50/60 Hz
DC Input	14.8V
Power Consumption	300W
Power Source	AC Adapter/Control Box 24V 10A, V-Mount Battery
Remote Operation	
Wireless	2.4GHz with remote controller RC-5
DMX	RJ45 Connectivity
Weights	
Control Box/AC Cable	7lb 10.3oz / 3kg 446g
Dimensions	
Control Box	12.2 × 5.7 × 5.1" / 31.0 × 14.5 × 13cm
Product Contains	
<ul style="list-style-type: none"> • FLEXLITE 24×48" 300W Wireless RGB SMD LED with DMX • AC/DC Control Box for Wired and Remote Operation • Power Cables • RC-5 2.4GHz Remote Control • X-Frame • Wireless Antennae • Velcro Mounting Strips • Binding Strips • Lightstand Adapter • Sturdy Travel Case 	

Specifications

CLAR FLEXLITE RGB FIXTURE	FLEXLITE 18×44" 250W Wireless RGB SMD LED with DMX
SKU	CLR736RGB
Flex Panel Dimensions	18 × 44" / 45.7 × 111.8cm
Number of SMD LEDs	432 RGB / 432 Daylight / 432 Tungsten
Photometrics @ 0.5m	RGB 5600: 11,000 / RGB 2700: 7,790 / Daylight: 9,320 Lux
Photometrics @ 1.0m	RGB 5600: 4,030 / RGB 2700: 2,860 / Daylight: 3,470 Lux
Photometrics @ 2m	RGB 5600: 1,120 / RGB 2700: 796 / Daylight: 954 Lux
Brightness Range	0-100%
Color Temperature	2700°K-9999°K
Color Rendition Index	95+ Ra
Beam Angle	10° - 360°
Cooling System	Airflow
Control Display	LCD on Control Unit
Flex Panel Weight	2lb 12oz / 1.25kg
Mounting	X-Frame to stand
AC Input	100-240VAC, 50/60 Hz
DC Input	14.8V
Power Consumption	250W
Power Source	AC Adapter/Control Box 24V 10A, V-Mount Battery
Remote Operation	
Wireless	2.4GHz with remote controller RC-5
DMX	RJ45 Connectivity
Weight	
Control Box/AC Cable	1lb 15.3oz / 886g
Dimensions	
Control Box	8.5 × 4.6 × 2.6" / 21.5 × 11.7 × 6.5cm
Product Contains	
<ul style="list-style-type: none"> • FLEXLITE 18×44" 250W Wireless RGB SMD LED with DMX • AC/DC Control Box for Wired and Remote Operation • Power Cables • RC-5 2.4GHz Remote Control • X-Frame • Wireless Antennae • Velcro Mounting Strips • Binding Strips • Lightstand Adapter • Sturdy Travel Case 	

Specifications

CLAR FLEXLITE RGB FIXTURE	FLEXLITE 25×25" 150W Wireless RGB SMD LED with DMX
SKU	CLR724RGB
Flex Panel Dimensions	24 × 24" / 61 × 61cm
Number of SMD LEDs	288 RGB / 288 Daylight / 288 Tungsten
Photometrics @ 0.5m	RGB 5600: 11,000 / RGB 2700: 7,790 / Daylight: 9,320 Lux
Photometrics @ 1.0m	RGB 5600: 4,030 / RGB 2700: 2,860 / Daylight: 3,470 Lux
Photometrics @ 2m	RGB 5600: 1,120 / RGB 2700: 796 / Daylight: 954 Lux
Brightness Range	0-100%
Color Temperature	2700°K-9999°K
Color Rendition Index	95+ Ra
Beam Angle	10° - 360°
Cooling System	Airflow
Control Display	LCD on Control Unit
Flex Panel Weight	2lb / 912g
Mounting	X-Frame to stand
AC Input	100-240VAC, 50/60 Hz
DC Input	14.8V
Power Consumption	150W
Power Source	AC Adapter/Control Box 15V 13.3A, V-Mount Battery
Remote Operation	
Wireless	2.4GHz with remote controller RC-5
DMX	RJ45 Connectivity
Weight	
Control Box/AC Cable	1lb 15.3oz / 886g
Dimensions	
Control Box	8.5 × 4.6 × 2.6" / 21.5 × 11.7 × 6.5cm
Product Contains	
<ul style="list-style-type: none"> • FLEXLITE 25×25" 150W Wireless RGB SMD LED with DMX • AC/DC Control Box for Wired and Remote Operation • Power Cables • RC-5 2.4GHz Remote Control • X-Frame • Wireless Antennae • Velcro Mounting Strips • Binding Strips • Lightstand Adapter • Sturdy Travel Case 	

Specifications

CLAR FLEXLITE RGB FIXTURE	FLEXLITE 18×24" 100W Wireless RGB SMD LED with DMX
SKU	CLR718RGB
Flex Panel Dimensions	18 × 24" / 46 × 61cm
Number of SMD LEDs	216 RGB / 216 Daylight / 216 Tungsten
Photometrics @ 0.5m	RGB 5600: 7,600 / RGB 2700: 5,230 / Daylight: 6,370 Lux
Photometrics @ 1.0m	RGB 5600: 2,340 / RGB 2700: 1,620 / Daylight: 1,970 Lux
Photometrics @ 2m	RGB 5600: 622 / RGB 2700: 430 / Daylight: 521 Lux
Brightness Range	0-100%
Color Temperature	3000°K-5600°K
Color Rendition Index	95+ Ra
Beam Angle	10° - 360°
Cooling System	Airflow
Control Display	LCD on Control Unit
Flex Panel Weight	1lb 6.2oz / 630g
Mounting	X-Frame to stand
AC Input	100-240VAC, 50/60 Hz
DC Input	14.8V
Power Consumption	100W
Power Source	AC Adapter/Control Box 15V 7A, V-Mount Battery
Remote Operation	
Wireless	2.4GHz with remote controller RC-5
DMX	RJ45 Connectivity
Weight	
Control Box/AC Cable	1lb 12.6oz / 810g
Dimensions	
Control Box	8 × 4.8 × 2.7" / 20.3 × 12.2 × 6.8cm
Product Contains	
<ul style="list-style-type: none"> • FLEXLITE 18×24" 100W Wireless RGB SMD LED with DMX • AC/DC Control Box for Wired and Remote Operation • Power Cables • RC-5 2.4GHz Remote Control • X-Frame • Wireless Antennae • Velcro Mounting Strips • Binding Strips • Lightstand Adapter • Sturdy Travel Case 	

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.

Email us: brands@adorama.com **Call:** 212-647-9300

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

You can always contact us at BRANDS@ADORAMA.COM for personal technical support. Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.

CLAR is a registered trademark of ADORAMA CAMERA.
© 2019 Adorama Camera, Corp. All Rights Reserved.

CLR748RGB
CLR736RGB
CLR724RGB
CLR718RGB

Adorama Inc., New York, NY
www.adorama.com/ourbrands