

# Studio LED Fresnel 300W RGBW

Reference: LLS-SF300WRGBW



- Power: 300W
- Light output: 47'000 lx @ 1m
- CCT: 2800K-6500K + RGB | CRI / TLCI 98
- 5in1 RGB+Bi-Color COB LED engine
- Size: 37 x 41 x 32 cm | 8 kg
- Adjustable beam angle from 35° to 65°
- Die-cast aluminum housing
- Local, BT APP & DMX512 control
- 14 programs with lighting effects
- 22 gels library
- 4 dimming curves



## Product description:

The new Studio LED Fresnel 300W is a powerful Fresnel lensed spotlight that employs the full RGBW COB technology to deliver millions of rich and vibrant colors. The true Fresnel lens produces single-shadowed soft-edged beam for the natural result every cinematographer is looking for.

## LED source into a classic Fresnel body

The fixture's body is similar to the traditional Fresnel lights, ensuring a sturdy and robust construction for years of use in a professional environment. The full metal housing is made from a series of light weight aluminum extrusions that ensure proper ventilation and heat dissipation.

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## Powerful & High CRI COB Technology

The Studio LED Fresnel RGBW features the newest power efficient COB technology with high index rating CRI 98 and TLCI 98 specially developed for photo-video applications where color rendering accuracy is mandatory, making it suitable for broadcast and film.

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## CCT, HSI and RGB operation modes

In CCT mode user can dial any color temperature from 2800K to 6500K. Additionally the Plus / Minus Green function is available in CCT mode to perfectly blend with the color cast of other lighting sources (HMI, Fluorescent or older generation of LED's) or precise color balancing for different camera sensors.

In HSI mode user can intuitively select any color based on the 360° chromatic wheel. The vividness of a selected color is adjusted through the saturation function and the overall brightness is controlled by the dimming function.

In RGB mode user can individually adjust the primary Red / Green / Blue channels for a precise HUE dialing.

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## Adjustable beam & light intensity

The beam angle can be adjusted from spot 35° to flood 65° using a mechanical focusing mechanism. The light output is dimmable from 100% to 0%, flicker free across the dimming range (tested at 3'000 fps), therefore suitable for slow motion shootings.

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## 3-way control: Local, DMX512 & BT App

Local control using dedicated buttons and potentiometers to quickly & intuitively adjust the lights parameters.

DMX-512 via the XLR 35 in/out connectors: the Studio LED Fresnel fixtures can be integrated into more complex studio installations such as news sets, talk-shows or entertainment productions where a standardized remote controlling method is required.

Bluetooth via IOS & Android app: one or several LED Fresnel units can be controlled from up to a 50 m distance through the dedicated smartphone app (iOS & Android). Having a visual representation of all the physically settings of the Studio LED Fresnel fixture on any common smartphone can only make this light easier to use. One or more LED Fresnel spotlights can be simultaneous controlled through the smartphone application.

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## 14 Lighting effects

The Cinelight Studio LED Fresnel 300W RGBW comes with 14 programmed lighting effects with adjustable parameters to customize them as needed. Using the effect presets, the spotlight can simulate the light coming from a candle, the police car flashing lights, fireworks and other commonly used dynamic lights. These lighting effects presets enhance the user's creativity and production value, being the most accessible way to create impressive animated scenes from a touch of a button.

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## Filter mode

The filter function employs a library of 22 digital filters that apply over the selected white balance (2800K or 6500K), similar to mounting a filter gel in front of a conventional light. These digital filters are used to obtain various theatrical effects or to match existing light sources.

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## AC and DC powering options

The Studio LED Fresnel series are universal voltage capable AC 100V-240V and the IEC connector allows for fast change of power cable with local models.

In addition to the main AC powered plug, the 200W version of Studio LED Fresnel fixture is also equipped with a low voltage 14.8V DC XLR 4P socket allowing to be powered from two V-Lock batteries using the optional battery plate.

## 8-leaf metal barndoors included

The Fresnel LED series comes with 8-leaf metal barndoors that cut and shape the beam spread. The small leaves offer a more precise control of the beam, creating a variety of shapes and concentrating the light where needed.

### Key features:

- adjustable beam angle spot 60° - flood 90°
- accurate color rendering CRI 98 / TLCI 99
- dimmable output from 100% to 0%
- adjustable color temperature 2800K-6500K
- flicker free at high speed shooting rates
- built-in DMX controller with XLR 5P connectors
- digital display for brightness and DMX address
- 4 dimming curves: linear / logarithmic / exponential / "S"

### Package Content:

- 1 x Studio LED Fresnel 300W RGBW
- 1 x 8-leaf metal barndoors
- 1 x Yoke bar with combo mount 5/8" & 1-1/4"
- 1 x 5m power cable with IEC and CEE 7/7 plug

## Technical Specifications:

## LED Spotlight - Fixture

Rated power	300 watts
LED type	RGBW
LED no	1
Beam angle	35°-65°
Beam type	spot-flood
Photometrics spot mode	1m: 47000 lx   2m: 14000 lx   3m: 6800 lx
Photometrics flood mode	1m: 21000 lx   2m: 5800 lx   3m: 2700 lx
Color temperature	2800K-6500K
CRI rating	98
TLCI rating	98
Dimming range	100%-0%
Cooling system	Active
Display type	Complex - monochrome

## LED Spotlights - Controls

Spot-Flood selector type	Mechanical
Dimming range	100%-0%
Local functions control	Analog
DMX control	Yes
DMX connectors type	XLR-5P
Bluetooth / WIFI APP control	Yes
Radio remote control	N/A

## LED Spotlight - Powering

Rated power	300 watts
Voltage input	100-240V 50 / 60 Hz
Power source	Internal, AC 100-240V 50 / 60 Hz
Plug in connector type	IEC - female
Power cord total length	5.0 m
Power connector type	CEE 7/7

## LED Spotlights - Physical

Lens type	Fresnel
Lens size	175 mm
Barndoors slot size	223 mm
Filter slot size	240 mm
Yoke mount	Combo 16mm receiver & 28mm stud
Housing color	Black & gray
Housing material	Aluminum
Lamp head dimensions	37 x 41 x 32 cm
Lamp head weight	8 kg