Unique LED lights with true Fresnel performance

The ARRI L-Series is a wide-ranging family of LED Fresnel that provides gaffers and lighting designers with the versatility and quality they require in digital lighting fixtures. L-Series fixtures were the first LED lights to truly incorporate Fresnel characteristics such as continuous focusability from spot to flood and a smooth, homogenous light field. Encompassing multiple power classes, the L-Series offers solutions for almost any application, from large television studios to small interview setups and everything in-between.

The L7 is a mid-range model, featuring a 7 inch Fresnel lens and accommodating the vast majority of applications. The L7 is as bright as a 1,000 W tungsten Fresnel, but only consumes 150 W.

The L7 as well as L5 and L10 take full advantage of LED technology by allowing complete control over light intensity and color. At the heart of the L-Series are a few core concepts: tuneability, color fidelity, high build quality and ease of use. Three simple knobs permit the brightness, color temperature from 2,800 K to 10,000 K and green/magenta point to be fine-tuned, while a focus knob on the side of each fixture allows for smooth adjustment of the beam spread, just like conventional source. With color mode the calibrated light engine of L7 enables to set hue and saturation values, creating a huge range of vivid colors.

In conjunction with Stellar, ARRI’s new lighting control app, the L7 brings even more features – including more than predefined gels (Lee and Rosco) and light sources known from SkyPanel.

**Main Features**
- True Fresnel lens light characteristics
- Vibrant color selection (RGB+W color gamut)
- Hue and saturation control
- High color rendering
- Low power consumption
- RDM implementation
- Fan mode selection

**Apps**
- ARRI Stellar
- ARRI Photometrics

**Available Accessories**
- 8-leaf Barndoor
- 4-leaf Barndoor
- Filter frame
- Snoot
- Chimera Lightbank
- Softbox adapter
- Cables
- Safety cable

**Models**

<table>
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<tr>
<th>Version</th>
<th>Mounting</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>L7-C</td>
<td>Manual</td>
<td>blue/silver</td>
</tr>
<tr>
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All versions include on-board control panel, 5-pin DMX in and thru connector, 28 mm (1 1/8”) Junior pin, powerCON TRUE1 TOP mains cable.

**Manual - Hanging**
1.5 m (5 ft) cable with bare ends

**Manual - Stand-Mount**
3 m (10 ft) cable with Schuko connector and line switch or 7 m (23 ft) cable with Edison connector and line switch.

**Pole Operated**
1.5 m (5 ft) cable with bare ends, pole operation for pan, tilt and focus.

Further versions available.
Specifications L7-C

Type of Lamphead
LED Fresnel

Optical System
focusable Fresnel

Light Aperture
175 mm / 7"

Beam Angle
15° to 50° half peak angle

Lamp Type
RGBW LED light engine

White Light
2,800 K to 10,000 K continuously variable correlated color temperature

Colored Light
full RBG+W color gamut with hue and saturation control

Green-Magenta Adjustment
continuously adjustable (full minusgreen to full plusgreen)

Color Rendition
CRI average > 94
TLCI average > 90

Color Temperature Tolerance
+/- 100 K (nominal), +/- 1/8 green-magenta (nominal)

Dimming
0 to 100 % continuous

Mechanical

Versions
manual, pole operated

Handling
adjustable sliding stirrup
high-strength tilt lock
pole operation option (pan, tilt, focus)

Mounting
spigot 28 mm Junior pin

Housing Color
blue/silver, black

Tilt Angle
+/- 90°

Weight - Manual
8.2 kg / 18.1 lbs

Weight - Pole operated
10.0 kg / 22.1 lbs

Control Options

Control
on-board controller, 5-Pin DMX in & through, Mini-USB

Remote Device Management (RDM)
DMX setup, hour counter, standard & manufacturer RDM commands

Software Interface - Mini-USB
DMX setup, fixture status, firmware upgrade through PC or Mac

Wireless Interface
via SkyLink Receiver

Electrical

Power Supply Range
100 - 240 V~, 50 - 60 Hz

Power Consumption
220 W maximum

Lamphead Power Connection
powerCON TRUE1 TOP

Power Switch
on/off switch on powerCON TRUE1 TOP cable

Protection Class / IP Rating
I / IP20

Ambient Temperature Operation
-20 to +45° C (-4 to +113° F)

Estimated LED Lifetime (L70)
50,000 hours

Estimated Color Shift Over Lifetime (CCT)
+/- 5 %

Certifications & Declaration of Conformity
CE, UKCA, CB, ENEC, cNRTLus, FCC, PSE

All specifications are nominal / typical values.

Photometric Data

3 m / 9.8 ft
5 m / 16.4 ft
7 m / 23.0 ft
9 m / 29.5 ft

3,200 K, 5,600 K
3,200 K, 5,600 K
3,200 K, 5,600 K
3,200 K, 5,600 K

180 lx
420 lx
960 lx
1,920 lx
5,760 lx
10,000 lx

FLOOD: 50°
MIDDLE: 30°
SPOT: 15°

Download ARRI Photometrics from the App Store and Google Play to quickly reference the photometric characteristics of all of the ARRI light fixtures.