

# L5

The ARRI L-Series® is an LED Fresnel fixture so close to its conventional counterpart in function and performance that it creates a previously unattainable opportunity: like-for-like replacement of traditional Fresnels with LED-based units.

## Portable. Durable. Tuneable.

The L5 addition to the L-Series® perfectly complements the L7, allowing for more mobile lighting and a wider range of power classes for television studios. Its compact size and low weight allows the L5 to be rigged in tight places and hung from low ceilings. The L5 is also ideal for cramped location shoots and interview setups. Low heat allows safer and more comfortable shooting conditions. This versatility and superb light quality makes the L5 a highly anticipated addition to the award-winning L-Series® family.

New features available on the L5 include a PowerCON power connector and an on-board battery input that permits industry-standard batteries to power the L5 without any sacrifice in terms of features or light output. The resulting increase in portability opens up whole new application areas, giving productions with the L5 the tremendous freedom to move and work fast.

The L5 is approximately 45% brighter than a 300 watt tungsten Fresnel, but only consumes 115 watts. When compared to the L7, the L5 is half the weight and size. In addition, the L5 maintains all the popular features of its larger sibling, including tuneability from 2,800 K to 10,000 K; green/magenta correction; hue selection; saturation control; and on-board DMX for communication with third-party control products.



**L5-C** Color temperature, tint and hue can be continuously adjusted from 2,800 K to 10,000 K, between full plus or minus green and RGBW colors.

**L5-T** Tuneable Tungsten allows for fine-tuning of the tungsten color temperature from 2,600 K to 3,600 K with increased brightness over the L5-C, and is particularly suited to applications requiring precise matching to conventional tungsten lampheads.

**L5-D** Tuneable Daylight allows for fine-tuning of the daylight color temperature from 5,000 K to 6,500 K with increased brightness over the L5-C, and is particularly suited to applications requiring precise matching to daylight balanced light sources.

2,800 - 10,000 K

2,600 - 3,600 K

5,000 - 6,500 K

approx. 9 % brighter than L5-C

approx. 20 % brighter than L5-C

| Order No.  | Description   |
|------------|---|
| L0.0001958 | L5-C, Hanging, Blue/Silver                                  |
| L0.0001954 | L5-C, Hanging, Black  |
| L0.0001953 | L5-C, Pole Operated, Blue/Silver                            |
| L0.0001952 | L5-C, Pole Operated, Black                                  |
| L0.0001955 | L5-C, Stand-Mount, Blue/Silver, 3 m Cable, Schuko Connector |
| L0.0001956 | L5-C, Stand-Mount, Blue/Silver, 7 m Cable, Edison Connector |

| Order No.  | Description  |
|------------|--|
| L0.0001982 | L5-TT, Hanging, Blue/Silver                                  |
| L0.0001978 | L5-TT, Hanging, Black  |
| L0.0001977 | L5-TT, Pole Operated, Blue/Silver                            |
| L0.0001976 | L5-TT, Pole Operated, Black                                  |
| L0.0001979 | L5-TT, Stand-Mount, Blue/Silver, 3 m Cable, Schuko Connector |
| L0.0001980 | L5-TT, Stand-Mount, Blue/Silver, 7 m Cable, Edison Connector |

| Order No.  | Description  |
|------------|--|
| L0.0001992 | L5-DT, Hanging, Blue/Silver                                  |
| L0.0001988 | L5-DT, Hanging, Black  |
| L0.0001987 | L5-DT, Pole Operated, Blue/Silver                            |
| L0.0001986 | L5-DT, Pole Operated, Black                                  |
| L0.0001990 | L5-DT, Stand-Mount, Blue/Silver, 3 m Cable, Schuko Connector |
| L0.0001991 | L5-DT, Stand-Mount, Blue/Silver, 7 m Cable, Edison Connector |

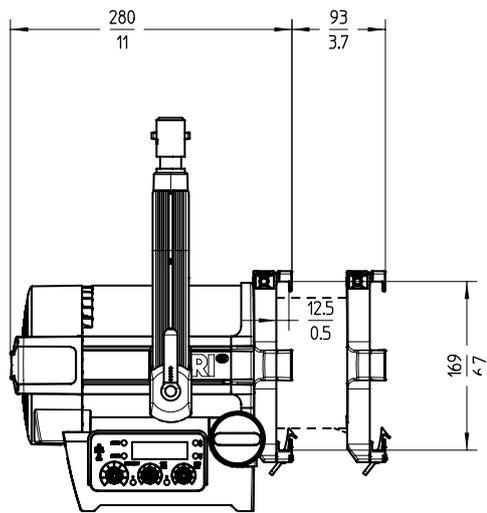
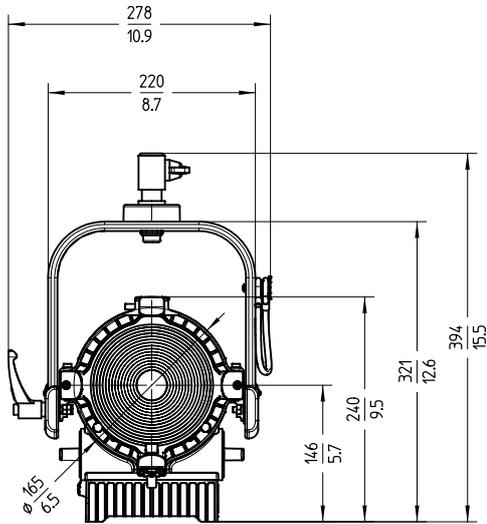
**HANGING** versions include the following base configuration: 16 mm / 28 mm Combo Pin (Baby 5/8 inch / Junior 1-1/8 inch Combo Pin), 1.5 m (5 ft) Cable with Bare Ends, Integrated 5-Pin DMX In and Thru;

**POLE-OPERATED** versions include the following base configuration: Pole Operation for Pan, Tilt and Focus, 16 mm / 28 mm Combo Pin (Baby 5/8 inch / Junior 1-1/8 inch Combo Pin), 1.5 m (5 ft) Cable with Bare Ends, Integrated 5-Pin DMX In and Thru;

**STAND-MOUNT** versions include the following base configuration: 16 mm / 28 mm Combo Pin (Baby 5/8 inch / Junior 1-1/8 inch Combo Pin), Inline Switch, Integrated 5-Pin DMX In and Thru.

**L5 SERIES**  
CUT. SHAPE. FOCUS. TUNE.

## Technical Specifications



|   |  |
|---|--|
| Optical System                            | Focusable Fresnel  |
| Lens Diameter                             | 137 mm / 5 inch  |
| Beam Angle                                | 14° to 50° (Half Peak Angle)   |
| Weight                                    | Manual Version - 5.1 kg (11.2 lbs)<br>Pole Op Version - 7 kg (15.4 lbs)  |
| Handling                                  | Adjustable Sliding Stirrup, High Strength Tilt Lock, Pole Operation Option (Pan, Tilt and Focus)   |
| Mounting                                  | 16 mm / 28 mm Combo Pin (Baby 5/8 inch / Junior 1-1/8 inch Combo Pin)  |
| Tilt Angle                                | +/- 90°  |
| Power Supply Range                        | 90 - 250 V ~, 50 - 60 Hz   |
| Power Consumption                         | L5-C: 100 W Nominal, 115 W Maximum<br>L5-TT: 100 W Nominal, 110 W Maximum<br>L5-DT: 104 W Nominal, 110 W Maximum   |
| Power Connection                          | powerCON TRUE1 (Bare Ends / Schuko / Edison Cables Available)  |
| Battery Connector                         | 4-Pin XLR Connector (Pin 1: Negative / Pin 4: Positive)  |
| Battery DC Voltage Range                  | 23 to 36 V =   |
| White Light                               | L5-C: 2,800 K to 10,000 K Continuously Variable Correlated Color Temperature<br>L5-TT: 2,600 K to 3,600 K Continuously Variable Correlated Color Temperature<br>L5-DT: 5,000 K to 6,500 K Continuously Variable Correlated Color Temperature |
| Colored Light (L5-C only)                 | Full RGB+W Color Gamut with Hue and Saturation Control   |
| Color Temperature Tolerance               | +/- 100 K (nominal), +/- 1/8 Green-Magenta (nominal)   |
| Color Rendition                           | L5-C: CRI Average > 94, TLCI Average > 90<br>L5-TT: CRI Average > 96, TLCI Average > 93<br>L5-DT: CRI Average > 93, TLCI Average > 90  |
| Green-Magenta Adjustment                  | Continuously Adjustable (Full Minusgreen to Full Plusgreen)  |
| Dimming                                   | 0 to 100 % continuous  |
| Control                                   | 5-Pin DMX In and Through, On-Board Controller, Mini-USB  |
| Remote Device Management (RDM)            | DMX Setup, Hour Counter and Standard RDM Commands  |
| Mini-USB Interface                        | DMX Setup, Fixture Status and Firmware Upgrade Through PC Software   |
| Housing Color                             | Blue/Silver, Black   |
| Ambient Temperature Operation             | -20 to +45° C (-4 to +113° F)  |
| IP Rating                                 | IP 20  |
| Estimated LED Lifetime (L70)              | 50,000 hours   |
| Estimated Color Shift Over Lifetime (CCT) | +/- 5 %  |
| Certifications                            | CE, FCC, GS, cNRTLus, CB, PSE  |

All specifications are nominal / typical values.

### Photometric Data (nominal results)

|              | 3 m / 9.8 ft     |                  | 5 m / 16.4 ft    |                  | 7 m / 23.0 ft  |                | 9 m / 29.5 ft  |                |
|--------------|------------------|------------------|------------------|------------------|----------------|----------------|----------------|----------------|
| <b>L5-C</b>  | <b>3,200 K</b>   | <b>5,600 K</b>   | <b>3,200 K</b>   | <b>5,600 K</b>   | <b>3,200 K</b> | <b>5,600 K</b> | <b>3,200 K</b> | <b>5,600 K</b> |
| Spot: 15°    | 3111 lx / 289 fc | 3278 lx / 305 fc | 1120 lx / 104 fc | 1180 lx / 110 fc | 571 lx / 53 fc | 602 lx / 56 fc | 346 lx / 32 fc | 364 lx / 34 fc |
| Middle: 30°  | 967 lx / 90 fc   | 1022 lx / 95 fc  | 348 lx / 32 fc   | 368 lx / 34 fc   | 178 lx / 16 fc | 188 lx / 17 fc | 107 lx / 10 fc | 114 lx / 11 fc |
| Flood: 50°   | 380 lx / 35 fc   | 399 lx / 37 fc   | 137 lx / 13 fc   | 144 lx / 13 fc   | 70 lx / 6 fc   | 73 lx / 7 fc   | 42 lx / 4 fc   | 44 lx / 4 fc   |
| <b>L5-TT</b> | <b>3,200 K</b>   |                  | <b>3,200 K</b>   |                  | <b>3,200 K</b> |                | <b>3,200 K</b> |                |
| Spot: 15°    | 3489 lx / 324 fc |                  | 1256 lx / 117 fc |                  | 641 lx / 60 fc |                | 388 lx / 36 fc |                |
| Middle: 30°  | 1056 lx / 98 fc  |                  | 380 lx / 35 fc   |                  | 194 lx / 18 fc |                | 117 lx / 11 fc |                |
| Flood: 50°   | 400 lx / 37 fc   |                  | 144 lx / 13 fc   |                  | 73 lx / 7 fc   |                | 44 lx / 4 fc   |                |
| <b>L5-DT</b> |                  | <b>5,600 K</b>   |                  | <b>5,600 K</b>   |                | <b>5,600 K</b> |                | <b>5,600 K</b> |
| Spot: 15°    |                  | 4056 lx / 377 fc |                  | 1460 lx / 136 fc |                | 745 lx / 69 fc |                | 451 lx / 42 fc |
| Middle: 30°  |                  | 1244 lx / 116 fc |                  | 448 lx / 42 fc   |                | 229 lx / 21 fc |                | 138 lx / 13 fc |
| Flood: 50°   |                  | 493 lx / 46 fc   |                  | 178 lx / 16 fc   |                | 91 lx / 8 fc   |                | 55 lx / 5 fc   |