

# L SERIES

## CUT > SHAPE > FOCUS > TUNE

### UNIQUE LED LIGHTS WITH TRUE FRESNEL PERFORMANCE

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. The L7 is the first LED fixture to truly incorporate the Fresnel characteristics of continuous focusability from spot to flood and a smooth, homogenous light field. The L-Series takes full advantage of LED technology and allows for complete control over the color and intensity of light. Light emitted from the L7 is specifically calibrated for optimal reproduction on broadcast and digital cinema cameras, ensuring pleasing skin tones and vividly rendered colors. Constructed to be robust and ergonomic, the L7 meets the quality and design standard for which ARRI is known.

**L7-C** - Color temperature, tint and hue can be continuously adjusted from 2800 K to 10,000 K, between full plus or minus green and RGBW colors. Available in both Hybrid and Active Cooling.

**L7-TT** - Tuneable Tungsten allows for fine-tuning of the tungsten color temperature from 2600 K to 3600 K with increased brightness over the L7-C, and is particularly suited to applications requiring precise matching to conventional tungsten lampheads. Available in both Hybrid and Active Cooling.

**L7-T** - Tungsten (3200 K) only version. Available in both Hybrid and Active Cooling.

**HYBRID** - Allows for cooling both passively (without a fan) and actively (with a fan). This unit is larger and heavier than the Active version but can run completely silently if needed.

**ACTIVE** - Allows for only active cooling (with a fan). This unit is smaller and lighter than the Hybrid version but cannot run passively (without the fan).

**HANGING** versions include the following base configuration: 28 mm Spigot (Junior 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, 28 mm Spigot (Junior 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: 28 mm Spigot (Junior Pin), Inline Switch, Integrated 5-Pin DMX In and Thru.



L7-T



L7-C



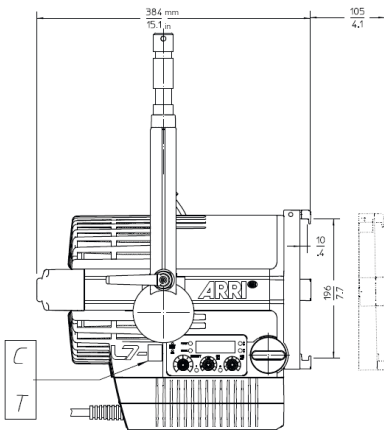
L7 active cooling

### Item Number Breakdown

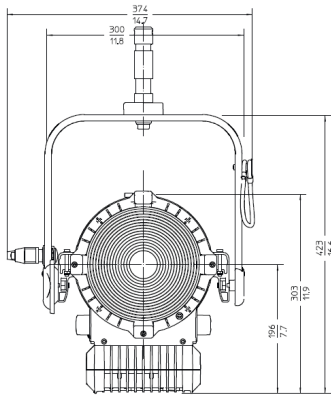
Linked

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Series	Class	Code	Model	Code	Cooling/Color	Code	Type	Code	Body Color	Code	Light Color	Code	Mounting
		1	L7	2	Tungsten Hybrid Cooling	3	DMX/USB	0	Blue-Silver	T	Tungsten (2 or 4 for Tungsten, 3 or 5 for TT)	A	USA - Stand Mount (Edison)
				3	Color/TT Hybrid Cooling	5	Event	5	Black (Bare Ends Only)	C	Colour (3 or 5)	C	Hanging (Bare Ends)
				4	Tungsten Active Cooling							D	European - Stand Mount (Schuko)
				5	Color/TT Active Cooling							R	Pole Operation (Bare Ends)

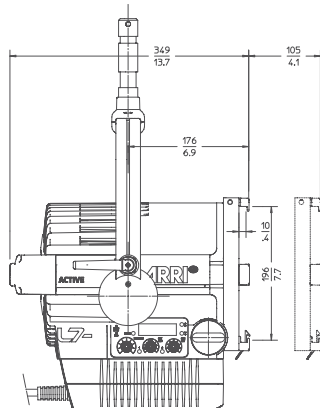
hybrid cooling



hybrid / active cooling



active cooling



**Specifications**

Optical System	Focusable Fresnel
Lens Diameter	175 mm / 7 inch
Beam Angle	15° - 50° (Half Peak Angle)
Weight	Hybrid: Manual Version - 10.9 kg (24 lbs); Pole Op Version - 12.5 kg (27.5 lbs) Active: Manual Version - 8.2 kg (18.1 lbs); Pole Op Version - 9.8 kg (21.6 lbs)
Handling	Adjustable Sliding Stirrup, High Strength Tilt Lock, Pole Operation Option (Pan, Tilt and Focus)
Mounting	28 mm Spigot (Junior Pin)
Tilt Angle	+/- 90°
Power Supply Range	100 - 250V AC, 50-60Hz
Power Consumption	L7-C & L7-TT: 160 W Nominal, 220 W Maximum L7-T: 190W Nominal, 220 W Maximum
Power Connection	Bare Ends / Schuko / Edison Connector
White Light	L7-C: Continuously Variable Correlated Color Temperature from 2800 K - 10.000 K L7-TT: Continuously Variable Correlated Color Temperature from 2600 K - 3600 K L7-T: 3200 K
Colored Light (L7-C only)	Full RGB+W Color Gamut with Hue and Saturation Control
Color Temperature Tolerance (L7-T & L7-TT only)	+/- 100 K (nominal), +/- 1/8 Green-Magenta (nominal)
Color Rendition	L7-C: CRI 95 (3200K to 6500K) L7-T & L7-TT: CRI 94
Green-Magenta Adjustment	L7-C: Continuously Adjustable (Full Minusgreen to Full Plusgreen) L7-TT: Continuously Adjustable (1/4 Minusgreen to 1/4 Plusgreen) L7-T: None
Dimming	0 - 100% Continuous
Control	5-Pin DMX In and Through, Optional 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	Hybrid: -20 - 35° C (-4 - 95° F) Active: -20 - 45° C (-4 - 113° F)
Protection Class	IP 20 (Optional IP 23)
Estimated LED Lifetime (L70)	50,000 hours
Estimated Color Shift Over Lifetime	< 200 K
Certifications	CE, GS, FCC, cNRTL, CB, ISO9001:2000

All specifications are nominal / typical values.

**Photometric Data (Nominal)**

	3 m / 9.8 ft		5 m / 16.4 ft		7 m / 23.0 ft		9 m / 29.5 ft	
<b>L7-C, 3200 K</b>								
Spot: 15°	4996 lx / 464 fc		1798 lx / 167 fc		918 lx / 85 fc		555 lx / 52 fc	
Middle: 30°	1503 lx / 140 fc		541 lx / 50 fc		276 lx / 26 fc		167 lx / 16 fc	
Flood: 50°	656 lx / 61 fc		236 lx / 22 fc		120 lx / 11 fc		73 lx / 7 fc	
<b>L7-C, 5600 K</b>								
Spot: 15°	5742 lx / 533 fc		2067 lx / 192 fc		1055 lx / 98 fc		638 lx / 59 fc	
Middle: 30°	1774 lx / 165 fc		639 lx / 59 fc		326 lx / 30 fc		197 lx / 18 fc	
Flood: 50°	754 lx / 70 fc		271 lx / 25 fc		138 lx / 13 fc		84 lx / 8 fc	
<b>L7-T, 3200 K; L7-TT, 3200 K</b>								
	<b>L7-T</b>	<b>L7-TT</b>	<b>L7-T</b>	<b>L7-TT</b>	<b>L7-T</b>	<b>L7-TT</b>	<b>L7-T</b>	<b>L7-TT</b>
Spot: 15°	6824 lx / 634 fc	6137 lx / 570fc	2457 lx / 228 fc	2209 lx / 205 fc	1253 lx / 116 fc	1127 lx / 105 fc	758 lx / 70 fc	682 lx / 63 fc
Middle: 30°	1986 lx / 184 fc	1875 lx / 174 fc	715 lx / 66 fc	675 lx / 63 fc	365 lx / 34 fc	344 lx / 32 fc	221 lx / 20 fc	208 lx / 19 fc
Flood: 50°	811 lx / 75 fc	802 lx / 75 fc	292 lx / 27 fc	289 lx / 27 fc	149 lx / 14 fc	147 lx / 14 fc	90 lx / 8 fc	89 lx / 8 fc