

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 lamphheads. Available in both Hybrid and Active Cooling.

L7-DT - Tuneable Daylight allows for fine-tuning of the daylight color temperature from 5000 K - 6500 K with increased brightness over the L7-C, and is particularly suited to applications requiring precise matching to daylight balanced light sources. 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.

Item Number Breakdown

L1.	3	1		3		3		0		T		A	
Series	Class	Code	Model	Code	Cooling Type	Code	Type	Code	Body Color	Code	Light Color	Code	Mounting
		1	L7	3	Hybrid Cooling	3	DMX/ USB	0	Blue-Silver	T	Tuneable Tungsten	A	USA - Stand Mount (Edison)
				5	Active Cooling			5	Black (Bare Ends Only)	C	Colour	C	Hanging (Bare Ends)
										D	Tuneable Daylight	D	European - Stand Mount (Schuko)
												R	Pole Operation (Bare Ends)

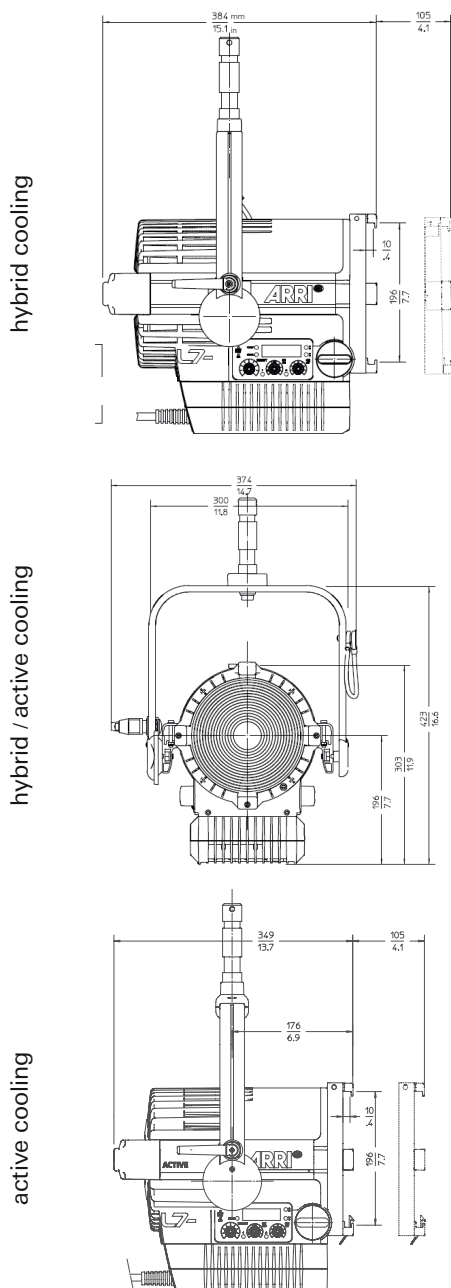


L7-C



L7-TT

L7-DT



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-DT: 180 W Nominal, 220W Maximum
Power Connection	Bare Ends / Schuko / Edison Connector
White Light	L7-C: 2800 K - 10.000 K Continuously Variable Correlated Color Temperature L7-TT: 2600 K - 3600 K Continuously Variable Correlated Color Temperature L7-DT: 5000 K - 6500 K Continuously Variable Correlated Color Temperature
Colored Light (L7-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	L7-C: CRI 95 (3200K to 6500K) L7-TT: CRI 94 L7-DT: CRI 92
Green-Magenta Adjustment	Continuously Adjustable (Full Minusgreen to Full Plusgreen)
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	
L7-C, 3200 K, 5600 K	3200 K	5600 K	3200 K	5600 K	3200 K	5600 K	3200 K	5600 K
Spot: 15°	4996 lx / 464 fc	5742 lx / 533 fc	1798 lx / 167 fc	2067 lx / 192 fc	918 lx / 85 fc	1055 lx / 98 fc	555 lx / 52 fc	638 lx / 59 fc
Middle: 30°	1503 lx / 140 fc	1774 lx / 165 fc	541 lx / 50 fc	639 lx / 59 fc	276 lx / 26 fc	326 lx / 30 fc	167 lx / 16 fc	197 lx / 18 fc
Flood: 50°	656 lx / 61 fc	754 lx / 70 fc	236 lx / 22 fc	271 lx / 25 fc	120 lx / 11 fc	138 lx / 13 fc	73 lx / 7 fc	84 lx / 8 fc
L7-TT, 3200 K								
Spot: 15°	7444 lx / 692 fc		2680 lx / 249 fc		1367 lx / 127 fc		827 lx / 77 fc	
Middle: 30°	2133 lx / 198 fc		768 lx / 71 fc		392 lx / 36 fc		237 lx / 22 fc	
Flood: 50°	916 lx / 85 fc		330 lx / 31 fc		168 lx / 16 fc		102 lx / 9 fc	
L7-DT, 5600 K								
Spot: 15°	8522 lx / 792 fc		3068 lx / 285 fc		1565 lx / 145 fc		947 lx / 88 fc	
Middle: 30°	2444 lx / 227 fc		880 lx / 82 fc		449 lx / 42 fc		272 lx / 25 fc	
Flood: 50°	1031 lx / 96 fc		371 lx / 34 fc		189 lx / 18 fc		115 lx / 11 fc	