

L-SERIES LAMPHEADS

TECHNICAL DATA



L-Series Version	L5-C	L7-C	L10-C	
Type of Lamphead	LED Fresnel	LED Fresnel	LED Fresnel	
Optical System	Focusable Fresnel	Focusable Fresnel	Focusable Fresnel	
Light Aperture	137 mm / 5"	175 mm / 7"	274 mm / 10"	
Beam Angle	14 to 50° Half Peak Angle	15 to 50° Half Peak Angle	15 to 50° Half Peak Angle	
Lamp Type	RGBW LED Light Engine	RGBW LED Light Engine	RGBW LED Light Engine	
White Light	2,800 K to 10,000 K continuously correlated color temperature	2,800 K to 10,000 K continuously correlated color temperature	2,800 K to 10,000 K continuously correlated color temperature	
Colored Light	Full RGB+W color gamut with Hue and Saturation control	Full RGB+W color gamut with Hue and Saturation control	Full RGB+W color gamut with Hue and Saturation control	
Green-Magenta-Adjustment	Continuously adjustable (Full Minusgreen to Full Plusgreen)	Continuously adjustable (Full Minusgreen to Full Plusgreen)	Continuously adjustable (Full Minusgreen to Full Plusgreen)	
Color Rendition	CRI Average > 94 TLCI Average > 90	CRI Average > 94 TLCI Average > 90	CRI Average > 95 TLCI Average > 91	
Color Temperature Tolerance	+/- 100 K (nominal) +/- 1/8 Green-Magenta (nominal)	+/- 100 K (nominal) +/- 1/8 Green-Magenta (nominal)	+/- 100 K (nominal) +/- 1/8 Green-Magenta (nominal)	
Dimming	0 to 100 % continuous	0 to 100 % continuous	0 to 100 % continuous	
Light Output in Battery Mode	100% of total output	n.a.	n.a.	
Mechanical				
Versions	Manual, Pole Operated	Manual, Pole Operated	Manual, Pole Operated	
Handling	Adjustable Sliding Stirrup High-Strength Tilt Lock Pole Operation (Pan, Tilt, Focus)	Adjustable Sliding Stirrup High-Strength Tilt Lock Pole Operation (Pan, Tilt, Focus)	Adjustable Sliding Stirrup High-Strength Tilt Lock Pole Operation (Pan, Tilt, Focus)	
Mounting	16 mm / 28 mm Combo Pin	Spigot 28 mm Junior Pin	Spigot 28 mm Junior Pin	
Housing Colors	blue/silver, black	blue/silver, black	blue/silver, black	
Tilt Angle	+/- 90°	+/- 90°	+/- 90°	
Weight - Manual	approx. 5 kg / 11.2 lbs	approx. 9 kg / 19.2 lbs	approx. 19 kg / 42.5 lbs	
Weight - Pole operated	approx. 7 kg / 15.4 lbs	approx. 10 kg / 22.3 lbs	approx. 21 kg / 45.6 lbs	
Control options				
Control	On-Board Controller, 5-Pin DMX In and 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 Consumption	100 W Nominal, 115 W Maximum	160 W Nominal, 220 W Maximum	400 W Nominal, 510 W Maximum	
Lamphead Power Connection	powerCON TRUE1 with Schuko, Edison, Japanese, Chinese, Bare Ends			
Power Switch	On/Off Switch on powerCON TRUE1 cable	On/Off Switch on powerCON TRUE1 cable	On/Off Switch on powerCON TRUE1 cable	
Battery Connector	Male 4-Pin XLR	n.a.	n.a.	
Battery DC Voltage Output	23 to 36 V \Rightarrow	n.a.	n.a.	
Protection Class / IP Rating	I / IP20	I / IP20	I / IP20	
Ambient Temperature Operation	-20 to +45°C / -4 to +113°F	-20 to +45°C / -4 to +113°F	-20 to +45°C / -4 to +113°F	
Estimated LED Lifetime (L70)	50,000 hours	50,000 hours	50,000 hours	
Estimated Color Shift over Lifetime (CCT)	+/- 5%	+/- 5%	+/- 5%	
Certification	CE, CB, ENEC, cNRTLus, FCC, PSE. Please read the User Manual for more information about the certificates for this product			
Photometrical Data				
15° - Spot	5 m @ 3,200 K	1,120 lux / 104 fc	2,408 lux / 224 fc	5,200 lux / 483 fc
30° - Middle	5 m @ 3,200 K	348 lux / 32 fc	713 lux / 66 fc	1,724 lux / 160 fc
50° - Flood	5 m @ 3,200 K	137 lux / 13 fc	290 lux / 27 fc	700 lux / 65 fc
15° - Spot	5 m @ 5,600 K	1,180 lux / 110 fc	2,704 lux / 251 fc	5,400 lux / 502 fc
30° - Middle	5 m @ 5,600 K	368 lux / 34 fc	796 lux / 74 fc	1,800 lux / 167 fc
50° - Flood	5 m @ 5,600 K	144 lux / 13 fc	323 lux / 30 fc	736 lux / 68 fc
Download the ARRI Photometrics App from the App Store and Google Play to quickly reference the photometric characteristics of all of the ARRI light fixtures.				
Accessories				
Accessory Diameter	168 mm / 6.6"	197 mm / 7.8"	344 mm / 13.5" 329 mm / 12.9"	
Accessories for all versions	4-Leaf Barndoor Snoot PowerCON TRUE1 Mains Cable with Line Switch	8-Leaf Barndoor Chimera Lightbank	Filter Frame Speed Ring Circular	
Communication for all versions	SkyLink Stellar			

All specifications are nominal / typical values.



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