

# ARRI JUNIOR LAMPHEADS

## TECHNICAL DATA



ARRI Junior Lamphead	ARRI 150	ARRI 300 Plus	ARRI 650 Plus
Ident-No.	L1.79360.B	L1.79200.B	L1.79400.B
<b>Main Features</b>			
Type of Lamphead	Fresnel	Fresnel	Fresnel
Reflector	Spherical specular high purity aluminium	Spherical specular high purity aluminium	Spherical specular high purity aluminium
Wattage	150 W	300 W	650 W
Lamp Type	BJ15 150 W / 240 V BJ15 150 W / 120 V BJ15 100 W / 240 V	CP81 FSL 300 W / 230 V CP81 FKW 300 W / 120 V	CP89 FRL 650 W / 230 V CP89 FRK 650 W / 120 V CP82 500 W / CP81 300 W
Lamp Base	GX6.35	GY9.5	GY9.5
Lens Diameter	50 mm / 1.9"	80 mm / 3.2"	112 mm / 4.5"
Color	blue/silver	blue/silver	blue/silver
Further versions	also available in Edison, Schuko and with line dimmer	also available in Edison, Schuko, and P.O. version as well as in color version silver, black and black/silver	also available in Edison, Schuko, and P.O. version as well as in color version silver, black and black/silver
<b>Technical Data of the Luminaire</b>			
Max. Operating Temperature	ta= 45° C / 113° F	ta= 45° C / 113° F	ta= 45° C / 113° F
Max. Surface Temperature	tc= 200° C / 392° F	tc= 200° C / 392° F	tc= 200° C / 392° F
Tolerable Inclination	max. 90° upwards / max. 90° downwards	max. 90° upwards / max. 90° downwards	max. 80° upwards / max. 80° downwards
Safe Distances	0.5 m / 1.7 ft.. to illuminated surface 0.5 m / 1.7 ft. around the luminaire	0.5 m / 1.7 ft.. to illuminated surface 0.5 m / 1.7 ft. around the luminaire	1 m / 3.3 ft. to illuminated surface 0.5 m / 1.7 ft. around the luminaire
Protective Class	I - Protective Earth	I - Protective Earth	I - Protective Earth
Protective Rate	IP23	IP23	IP23
<b>Specifications</b>			
Dimensions (incl. flange) (H x W x L)	194 x 133 x 161 mm / 7.7 x 5.3 x 6.3"	269 x 189 x 158 mm / 10.6 x 7.4 x 9.5"	305 x 221 x 190 mm / 12.0 x 8.7 x 7.5"
Packed Size (H x W x L)	145 x 175 x 280 mm / 5.8 x 6.9 x 11.1"	275 x 190 x 240 mm / 10.9 x 7.5 x 9.5"	295 x 220 x 255 mm / 11.7 x 8.7 x 10.1"
Weight	approx. 1.6 kg (3.33 lbs)	approx. 2.0 kg (4.33 lbs)	approx. 2.6 kg (5.56 lbs)
Packed Weight	approx. 1.7 kg (3.75 lbs)	approx. 2.3 kg (4.94 lbs)	approx 3.0 kg (6.44 lbs)
Mounting	Socket 16 mm / 5/8"	Socket 16 mm / 5/8"	Socket 16 mm / 5/8"
Certification	CE, CB, GS, cNRTLus	CE, CB, GS, cNRTLus	CE, CB, GS, cNRTLus
<b>Accessories</b>			
Accessory diameter	78 mm (3.1")	130 mm (5.1")	168 mm (6.6")
	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> Filter frame</li> <li> Scrim</li> <li> Snoot</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> Filter frame</li> <li> Scrim</li> <li> Chimera Lightbank</li> <li> Speed ring circular</li> <li> Snoot</li> </ul>	<ul style="list-style-type: none"> <li> 4-leaf barndoor</li> <li> 8-leaf barndoor</li> <li> Filter frame</li> <li> Scrim</li> <li> Chimera Lightbank</li> <li> Speed ring circular</li> <li> Snoot</li> </ul>
<b>Photometrical Data</b>			
Distance	<b>1 m (3 ft.)</b> [Output / diameter]	<b>1 m (3 ft.)</b> [Output / diameter]	<b>1 m (3 ft.)</b> [Output / diameter]
Spot	14.0°: 4,104 lux / Ø 0.25 m	15.0°: 16,803 lux / Ø 0.26 m	13.0°: 52,750 lux / Ø 0.23 m
Medium	30.0°: 1,899 lux / Ø 0.54 m	30.0°: 9,000 lux / Ø 0.54 m	30.0°: 22,750 lux / Ø 0.54 m
Flood	44.0°: 1,503 lux / Ø 0.81 m	55.0°: 4,500 lux / Ø 1.04 m	54.0°: 10,750 lux / Ø 1.02 m
Distance	<b>3 m (10 ft.)</b> [Output / diameter]	<b>3 m (10 ft.)</b> [Output / diameter]	<b>3 m (10 ft.)</b> [Output / diameter]
Spot	14.0°: 456 lux / Ø 0.74 m	15.0°: 1,867 lux / Ø 0.79 m	13.0°: 5,861 lux / Ø 0.68 m
Medium	30.0°: 211 lux / Ø 1.61 m	30.0°: 1,000 lux / Ø 1.61 m	30.0°: 2,528 lux / Ø 1.61 m
Flood	44.0°: 167 lux / Ø 2.42 m	55.0°: 500 lux / Ø 3.12 m	54.0°: 1,194 lux / Ø 3.06 m
Distance	<b>5 m (16 ft.)</b> [Output / diameter]	<b>5 m (16 ft.)</b> [Output / diameter]	<b>5 m (16 ft.)</b> [Output / diameter]
Spot	14.0°: 164 lux / Ø 1.23 m	15.0°: 672 lux / Ø 1.32 m	13.0°: 2,110 lux / Ø 1.14 m
Medium	30.0°: 76 lux / Ø 2.68 m	30.0°: 360 lux / Ø 2.68 m	30.0°: 910 lux / Ø 2.68 m
Flood	44.0°: 60 lux / Ø 4.04 m	55.0°: 180 lux / Ø 5.21 m	54.0°: 430 lux / Ø 5.10 m

All specifications are nominal / typical values.

80.0034166 as of December 2019 - Design and specifications are subject to change without notice.



For light output at any distance use our ARRI Photometrics App.

Please visit our website for downloads and to find more information about the ARRI Junior lampheads: [www.arri.com](http://www.arri.com)

