

# Technical Data



Name	ARRI/FUJINON Alura Zoom 18-80		ARRI/FUJINON Alura Zoom 45-250
Lens Mount (1)	PL		PL
Focal Length Wide	18		45
Focal Length Wide	80		250
Focal Length Ratio	4.4		5.6
Aperture	T2.6 - T22		T2.6 - T22
Close Focus (2)	0.7 m / 2		1.2 m / 3
Magnification Ratio (3)	1 : 5.5		1:4
Length (4)	285 mm / 11.2		370 mm / 14.6
Entrance Pupil (6)	at 18 mm	264.0 mm / 10.4"	at 45 mm
	at 50 mm	231.6 mm / 9.1"	at 150 mm
	at 80 mm	213.9 mm / 8.4"	at 250 mm

# Technical Data



Name	ARRI/FUJINON Alura Zoom 18- 80	ARRI/FUJINON Alura Zoom 45- 250
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## Angle of View H-V-D

### Normal 35 (8)

<b>ID = 27.20 mm (7)</b>	at 18 mm	62.8° - 48.0° - 74.1°	at 45 mm
	at 50 mm	24.8° - 18.2° - 30.4°	at 150 mm
	at 80 mm	15.6° - 11.4° - 19.3°	at 250 mm

## Angle of View H-V-D

### ALEXA/D-21 HD (9)

<b>ID = 27.26 mm (7)</b>	at 18 mm	66.8° - 40.7° - 74.3°	at 45 mm
	at 50 mm	26.7° - 15.2° - 30.5°	at 150 mm
	at 80 mm	16.9° - 9.5° - 19.3°	at 250 mm

# Technical Data



Name	ARRI/FUJINON Alura Zoom 18- 80	ARRI/FUJINON Alura Zoom 45- 250
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## Angle of View H-V-D

### ALEXA 2K (10)

ID = 29.08 mm (7)	at 18 mm	70.3° - 43.2° - 77.9°	at 45 mm
	at 50 mm	28.4° - 16.2° - 32.4°	at 150 mm
	at 80 mm	18.0° - 10.2° - 20.6°	at 250 mm

## Angle of View H-V-D

### DIN Super 35 (11)

ID = 30.00 mm (7)	at 18 mm	67.4° - 53.1° - 79.6°	at 45 mm
	at 50 mm	27.0° - 20.4° - 33.4°	at 150 mm
	at 80 mm	17.1° - 12.8° - 21.2°	at 250 mm

Maximum Housing Diameter	134 mm / 5.3	153 mm / 6
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Front Diameter (5)	134 mm / 5.3	134 mm / 5.3
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Name	ARRI/FUJINON Alura Zoom 18-80	ARRI/FUJINON Alura Zoom 45-250
<b>Weight (Kg)</b>	4.7 kg / 10.4lb	7.5 kg / 16.lb
<b>Item number meter</b>	K2.47930.0	K2.47332.0
<b>Item number feet</b>	K2.47931.0	K2.47933.0

Operation Temperature: -10°C to +50°C / +14°F to +122°F

Storage/Transport Temperature: -20°C to +60°C / -4°F to +140°F

- (1) Positive locking 54 mm stainless steel lens mount
- (2) Close focus is measured from the film/sensor plane
- (3) Magnification ratio is the relationship of the size of an object on the film/sensor plane (first number) to the size of that object in real life (second number) at the close focus and the telephoto zoom setting
- (4) Length is measured from the lens mount to the front of the lens housing
- (5) Diameter of the lens/matte box interface
- (6) The distance from the entrance pupil to the film/sensor plane. Positive numbers indicated an entrance pupil in front, negative numbers indicated an entrance pupil behind the film/sensor plane. The entrance pupil (often mistakenly called "nodal point") is the center of perspective; moving the camera/lens system around the center of the entrance pupil prevents parallax errors. While largely irrelevant for live action, this measurement is important for special effects work.
- (7) The image diameter (ID) is the diameter of the image circle needed for the respective format.
- (8) Horizontal (H), vertical (V) and diagonal (D) angles of view for a Normal 35 Academy camera aperture (aspect ratio 1.37:1, dimensions 22 mm x 16 mm / 0.866" x 0.630")
- (9) Horizontal (H), vertical (V) and diagonal (D) angles of view for the ALEXA/D-21 HD camera aperture (aspect ratio 1.78:1, 2880 x 1620 sensor pixels, dimensions 23.76 mm x 13.37mm / 0.935" x 0.526")
- (10) Horizontal (H), vertical (V) and diagonal (D) angles of view for the ALEXA 2K camera aperture (aspect ratio 1.78:1, 3072 x 1728 sensor pixels, dimensions 25.34 mm x 14.26 mm / 0.998" x 0.561")
- (11) Horizontal (H), vertical (V) and diagonal (D) angles of view for a DIN Super 35 Silent camera aperture (aspect ratio 1.33:1, dimensions 24 mm x 18 mm / 0.944" x 0.709")