

ARRISUN 2

Photometric Data: Footcandles

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (6°)	20018	5004	2224	1251
Spot Lens				
Spot (9°)	10801	2700	1200	675
Medium (12°)	7668	1917	852	479
Flood (14°)	5509	1377	612	344
Medium Lens				
Spot (11° x 21°)	4644	1161	516	290
Medium (19° x 26°)	2684	671	298	168
Flood (24° x 30°)	1854	464	206	116
Wide Lens				
Spot (18° x 35°)	1894	473	210	118
Medium (28° x 45°)	1168	292	130	73
Flood (42° x 55°)	673	168	75	42
Super Wide Lens				
Spot (38°)	1008	252	112	63
Medium (44°)	772	193	86	48
Flood (50°)	565	141	63	35
Frosted Lens				
Spot (30°)	806	202	90	50
Medium (44°)	504	126	56	32
Flood (56°)	356	89	40	22

In addition to using spread lenses, ARRISUN fixtures can be focused over a wide range. This data shows spot, medium and flood performance for each lens. The table showing "performance at any distance" is based on medium focus. For additional data see the Photometric Calculator at www.arri.de/prod/lighting/calculator

Photometric Data: Beam Diameter

Distance	5 ft. (1.5 m)	10 ft. (3.0 m)	15 ft. (4.6 m)	20 ft. (6.1 m)
Super Spot/No Lens				
Spot (6°)	0.5 ft. (0.2 m)	1.0 ft. (0.3 m)	1.6 ft. (0.5 m)	2.1 ft. (0.6 m)
Spot Lens				
Spot (9°)	0.8 ft. (0.2 m)	1.6 ft. (0.5 m)	2.4 ft. (0.7 m)	3.1 ft. (0.9 m)
Medium (12°)	1.1 ft. (0.3 m)	2.1 ft. (0.6 m)	3.2 ft. (1.0 m)	4.2 ft. (1.3 m)
Flood (14°)	1.2 ft. (0.4 m)	2.5 ft. (0.8 m)	3.7 ft. (1.1 m)	4.9 ft. (1.5 m)
Medium Lens				
Spot (11° x 21°)	1.0 x 1.9 ft.	1.9 x 3.7 ft.	2.9 x 5.6 ft.	3.9 x 7.4 ft.
	0.3 x 0.6 m	0.6 x 1.1 m	0.9 x 1.7 m	1.2 x 2.3 m
Medium (19° x 26°)	1.7 x 2.3 ft.	3.3 x 4.6 ft.	5.0 x 6.9 ft.	6.7 x 9.2 ft.
	0.5 x 0.7 m	1.0 x 1.4 m	1.5 x 2.1 m	2.0 x 2.8 m
Flood (24° x 30°)	2.1 x 2.7 ft.	4.3 x 5.4 ft.	6.4 x 8.0 ft.	8.5 x 10.7 ft.
	0.6 x 0.8 m	1.3 x 1.6 m	2.0 x 2.4 m	2.6 x 3.3 m
Wide Lens				
Spot (18° x 35°)	1.6 x 3.2 ft.	3.2 x 6.3 ft.	4.8 x 9.5 ft.	6.3 x 12.6 ft.
	0.5 x 1.0 m	1.0 x 1.9 m	1.5 x 2.9 m	1.9 x 3.8 m
Medium (28° x 45°)	2.5 x 4.1 ft.	5.0 x 8.3 ft.	7.5 x 12.4 ft.	10.0 x 16.6 ft.
	0.8 x 1.2 m	1.5 x 2.5 m	2.3 x 3.8 m	3.0 x 5.1 m
Flood (42° x 55°)	3.8 x 5.2 ft.	7.7 x 10.4 ft.	11.5 x 15.6 ft.	15.4 x 20.8 ft.
	1.2 x 1.6 m	2.3 x 3.2 m	3.5 x 4.8 m	4.7 x 6.3 m
Super Wide Lens				
Spot (38°)	3.4 ft. (1.0 m)	6.9 ft. (2.1 m)	10.3 ft. (3.1 m)	13.8 ft. (4.2 m)
Medium (44°)	4.0 ft. (1.2 m)	8.1 ft. (2.5 m)	12.1 ft. (3.7 m)	16.2 ft. (4.9 m)
Flood (50°)	4.7 ft. (1.4 m)	9.3 ft. (2.8 m)	14.0 ft. (4.3 m)	18.7 ft. (5.7 m)
Frosted Lens				
Spot (30°)	2.7 ft. (0.8 m)	5.4 ft. (1.6 m)	8.0 ft. (2.4 m)	10.7 ft. (3.3 m)
Medium (44°)	4.0 ft. (1.2 m)	8.1 ft. (2.5 m)	12.1 ft. (3.7 m)	16.2 ft. (4.9 m)
Flood (56°)	5.3 ft. (1.6 m)	10.6 ft. (3.2 m)	16.0 ft. (4.9 m)	21.3 ft. (6.5 m)

Super Spot/No Lens Performance at any distance:

Footcandles (or lux) = $500,400 \div \text{Distance}^2$ Beam Diameter = Distance x 0.11

Spot Lens Performance at any distance:

Footcandles (or lux) = $191,700 \div \text{Distance}^2$ Beam Diameter = Distance x 0.21

Medium Lens Performance at any distance:

Footcandles (or lux) = $67,100 \div \text{Distance}^2$ Beam Diameter = Distance x 0.33
 Beam Diameter = Distance x 0.46

Wide Lens Performance at any distance:

Footcandles (or lux) = $29,200 \div \text{Distance}^2$ Beam Diameter = Distance x 0.50
 Beam Diameter = Distance x 0.83

Super Wide Lens Performance at any distance:

Footcandles (or lux) = $19,300 \div \text{Distance}^2$ Beam Diameter = Distance x 0.81

Frosted Lens Performance at any distance:

Footcandles (or lux) = $12,600 \div \text{Distance}^2$ Beam Diameter = Distance x 0.81