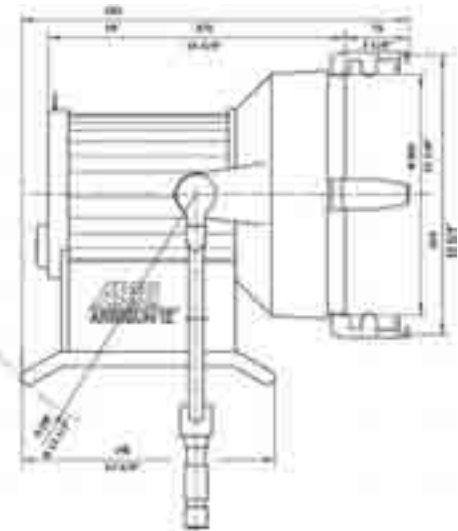
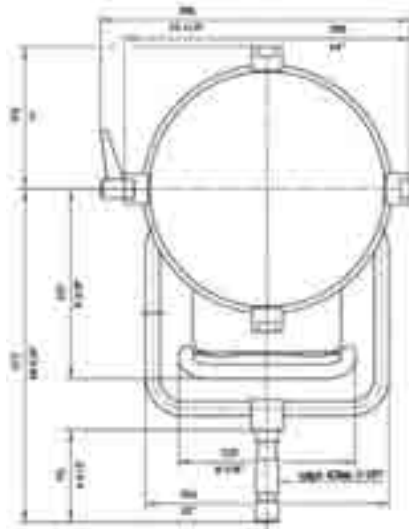


# ARRISUN 12 Plus



Cat. No.	Description
512305	ARRISUN 12 Plus
505203	25 ft. Head/Ballast Cable
505204	50 ft. Head/Ballast Cable
505201	100 ft. Head/Ballast Cable
512335	Lens Set (Spot, Medium, Wide, Super Wide, Frosted)
512396	Lens Case
532210	Four Leaf Barndoor
532215	Eight Leaf Barndoor
512245	1200W Single Ended HMI Lamp
512250	13" Full Single Scrim
512252	13" Full Double Scrim
571716	Scrim Bag
853276	Safety Cable
505810	575/1200W Electronic Ballast w/DMX & ALF
505815	575/1200W Electronic Ballast w/DMX
512936	Lamphead Case
505921	Electronic Ballast Case

## Specifications

Weight	27.2 lbs. (12.3 kg)
Reflector	High purity aluminum parabolic
Lampholder	G38 High Voltage
Mounting	1 1/8" (29 mm) stand mount

For Ballast Specifications see Ballast Section

# ARRISUN 12 Plus

## Photometric Data: Footcandles

Distance	20 ft. (6.1 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
<b>Super Spot/No Lens</b>				
Spot (6°)	8313	3695	2078	1330
<b>Spot Lens</b>				
Spot (8°)	4113	1828	1028	658
Medium (12°)	2094	931	524	335
Flood (16°)	1481	658	370	237
<b>Medium Lens</b>				
Spot (11° x 20°)	1594	708	398	255
Medium (25° x 28°)	663	295	166	106
Flood (32° x 37°)	432	192	108	69
<b>Wide Lens</b>				
Spot (20° x 42°)	491	218	123	79
Medium (32° x 50°)	286	127	72	46
Flood (42° x 58°)	204	91	51	33
<b>Super Wide Lens</b>				
Spot (42°)	273	121	68	44
Medium (54°)	176	78	44	28
Flood (65°)	139	62	35	22
<b>Frosted Lens</b>				
Spot (39°)	203	90	51	33
Medium (51°)	136	60	34	22
Flood (62°)	102	45	25	16

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](http://www.arri.de/prod/lighting/calculator)

## Photometric Data: Beam Diameter

Distance	20 ft. (6.1 m)	30 ft. (9.1 m)	40 ft. (12.2 m)	50 ft. (15.2 m)
<b>Super Spot/No Lens</b>				
Spot (6°)	2.1 ft. (0.6 m)	3.1 ft. (0.9 m)	4.2 ft. (1.3 m)	5.2 ft. (1.6 m)
<b>Spot Lens</b>				
Spot (8°)	2.8 ft. (0.9 m)	4.2 ft. (1.3 m)	5.6 ft. (1.7 m)	7.0 ft. (2.1 m)
Medium (12°)	4.2 ft. (1.3 m)	6.3 ft. (1.9 m)	8.4 ft. (2.6 m)	10.5 ft. (3.2 m)
Flood (16°)	5.6 ft. (1.7 m)	8.4 ft. (2.6 m)	11.2 ft. (3.4 m)	14.1 ft. (4.3 m)
<b>Medium Lens</b>				
Spot (11° x 20°)	3.9 x 7.1 ft.	5.8 x 10.6 ft.	7.7 x 14.1 ft.	9.6 x 17.6 ft.
	1.2 x 2.2 m	1.8 x 3.2 m	2.3 x 4.3 m	2.9 x 5.4 m
Medium (25° x 28°)	8.9 x 10.0 ft.	13.3 x 15.0 ft.	17.7 x 19.9 ft.	22.2 x 24.9 ft.
	2.7 x 3.0 m	4.1 x 4.6 m	5.4 x 6.1 m	6.8 x 7.6 m
Flood (32° x 37°)	11.5 x 13.4 ft.	17.2 x 20.1 ft.	22.9 x 26.8 ft.	28.7 x 33.5 ft.
	3.5 x 4.1 m	5.2 x 6.1 m	7.0 x 8.2 m	8.7 x 10.2 m
<b>Wide Lens</b>				
Spot (20° x 42°)	7.1 x 15.4 ft.	10.6 x 23.0 ft.	14.1 x 30.7 ft.	17.6 x 38.4 ft.
	2.2 x 4.7 m	3.2 x 7.0 m	4.3 x 9.4 m	5.4 x 11.7 m
Medium (32° x 50°)	11.5 x 18.7 ft.	17.2 x 28.0 ft.	22.9 x 37.3 ft.	28.7 x 46.6 ft.
	3.5 x 5.7 m	5.2 x 8.5 m	7.0 x 11.4 m	8.7 x 14.2 m
Flood (42° x 58°)	15.4 x 22.2 ft.	23.0 x 33.3 ft.	30.7 x 44.3 ft.	38.4 x 55.4 ft.
	4.7 x 6.8 m	7.0 x 10.1 m	9.4 x 13.5 m	11.7 x 16.9 m
<b>Super Wide Lens</b>				
Spot (42°)	15.4 ft. (4.7 m)	23.0 ft. (7.0 m)	30.7 ft. (9.4 m)	38.4 ft. (11.7 m)
Medium (54°)	20.4 ft. (6.2 m)	30.6 ft. (9.3 m)	40.8 ft. (12.4 m)	51.0 ft. (15.5 m)
Flood (65°)	25.5 ft. (7.8 m)	38.2 ft. (11.6 m)	51.0 ft. (15.5 m)	63.7 ft. (19.4 m)
<b>Frosted Lens</b>				
Spot (39°)	14.2 ft. (4.3 m)	21.2 ft. (6.5 m)	28.3 ft. (8.6 m)	35.4 ft. (10.8 m)
Medium (51°)	19.1 ft. (5.8 m)	28.6 ft. (8.7 m)	38.2 ft. (11.6 m)	47.7 ft. (14.5 m)
Flood (62°)	24.0 ft. (7.3 m)	36.1 ft. (11.0 m)	48.1 ft. (14.7 m)	60.1 ft. (18.3 m)

### Super Spot/No Lens Performance at any distance:

Footcandles (or lux) =  $3,325,100 \div \text{Distance}^2$     Beam Diameter = Distance x 0.11

### Spot Lens Performance at any distance:

Footcandles (or lux) =  $837,600 \div \text{Distance}^2$     Beam Diameter = Distance x 0.21

### Medium Lens Performance at any distance:

Footcandles (or lux) =  $265,200 \div \text{Distance}^2$     Beam Diameter = Distance x 0.44  
Beam Diameter = Distance x 0.50

### Wide Lens Performance at any distance:

Footcandles (or lux) =  $114,400 \div \text{Distance}^2$     Beam Diameter = Distance x 0.57  
Beam Diameter = Distance x 0.93

### Super Wide Lens Performance at any distance:

Footcandles (or lux) =  $70,400 \div \text{Distance}^2$     Beam Diameter = Distance x 1.02

### Frosted Lens Performance at any distance:

Footcandles (or lux) =  $54,400 \div \text{Distance}^2$     Beam Diameter = Distance x 0.96