



# 1.2K HMI Par Head - ARRISUN 12

HMI PHOTOMETRICS



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>				
<b>Spot (6°)</b>				
Footcandles	8,313	3,695	2,078	1,330
Spread/Feet	2.1 ft.	3.1 ft.	4.2 ft.	5.2 ft.
	0.6 m	0.9 m	1.3 m	1.6 m
<b>Spot Lens</b>				
<b>Spot (8°)</b>				
Footcandles	4,113	1,828	1,028	658
Spread/Feet	2.8 ft.	4.2 ft.	5.6 ft.	7.0 ft.
	0.9 m	1.3 m	1.7 m	2.1 m
<b>Medium (12°)</b>				
Footcandles	2,094	931	524	335
Spread/Feet	4.2 ft.	6.3 ft.	8.4 ft.	10.5 ft.
	1.3 m	1.9 m	2.6 m	3.2 m
<b>Flood (16°)</b>				
Footcandles	1,481	658	370	237
Spread/Feet	5.6 ft.	8.4 ft.	11.2 ft.	14.1 ft.
	1.7 m	2.6 m	3.4 m	4.3 m
<b>Medium Lens</b>				
<b>Spot (11° x 20°)</b>				
Footcandles	1,594	708	398	255
Spread/Feet	39 x 7.1 f.t	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

**Partners in Production®**

VANCOUVER

CALGARY

WINNIPEG

TORONTO

SUDBURY

HALIFAX

<b>Distance</b>	<b>35 ft. (10.7 m)</b>	<b>40 ft. (12.2 m)</b>	<b>60 ft. (18.3 m)</b>	<b>80 ft. (24.4 m)</b>
<b>Medium (25° x 28°)</b>				
<b>Footcandles</b>	663	295	166	106
<b>Spread/Feet</b>	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
<b>Flood (32° x 37°)</b>				
<b>Footcandles</b>	432	192	108	69
<b>Spread/Feet</b>	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>				
<b>Spot (20° x 42°)</b>				
<b>Footcandles</b>	491	218	123	79
<b>Spread/Feet</b>	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
<b>Medium (32° x 50°)</b>				
<b>Footcandles</b>	286	127	72	46
<b>Spread/Feet</b>	11.5 x 18.7 ft.	17.2 x 28.0 ft.	22.9 x 37.2 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
<b>Flood (42° x 58°)</b>				
<b>Footcandles</b>	204	91	51	33
<b>Spread/Feet</b>	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>				
<b>Spot (42°)</b>				
<b>Footcandles</b>	273	121	68	44
<b>Spread/Feet</b>	15.4 ft.	23.0 ft.	30.7 ft.	38.4 ft.
	4.7 m	7.0 m	9.4 m	11.7 m
<b>Medium (54°)</b>				
<b>Footcandles</b>	176	78	44	28
<b>Spread/Feet</b>	20.4 ft.	30.6 ft.	40.8 ft.	51.0 ft.
	6.2 m	9.3 m	12.4 m	15.5 m
<b>Flood (65°)</b>				
<b>Footcandles</b>	139	62	35	22
<b>Spread/Feet</b>	25.5 ft.	38.2 ft.	51.0 ft.	63.7 ft.
	7.8 m	11.6 m	15.5 m	19.4 m

**Partners in Production®**

VANCOUVER

CALGARY

WINNIPEG

TORONTO

SUDBURY

HALIFAX

Distance	35 ft. (10.7 m)	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)
<b>Frosted Lens</b>				
<b>Spot (39°)</b>				
Footcandles	203	90	51	33
Spread/Feet	14.2 ft.	21.2 ft.	28.3 ft.	35.4 ft.
	4.3 m	6.5 m	8.6 m	10.8 m
<b>Medium (51°)</b>				
Footcandles	136	60	34	22
Spread/Feet	19.1 ft.	28.6 ft.	38.2 ft.	47.7 ft.
	5.8 m	8.7 m	11.6 m	14.5 m
<b>Flood (62°)</b>				
Footcandles	102	45	25	16
Spread/Feet	24.0 ft.	36.1 ft.	48.1 ft.	60.1 ft.
	7.3 m	11.0 m	14.7 m	18.3 m

<b>Lens Performance</b>	
<b>Super Spot/No Lens Performance at any distance:</b>	
Footcandles (or lux) = $3,325,100 \div \text{Distance}^2$	Beam Diameter = Distance x 0.11
<b>Spot Lens Performance at any distance:</b>	
Footcandles (or lux) = $837,600 \div \text{Distance}^2$	Beam Diameter = Distance x 0.21
<b>Medium Lens Performance at any distance:</b>	
Footcandles (or lux) = $265,200 \div \text{Distance}^2$	Beam Diameter = Distance x 0.44
	Beam Diameter = Distance x 0.50
<b>Wide Lens Performance at any distance:</b>	
Footcandles (or lux) = $114,400 \div \text{Distance}^2$	Beam Diameter = Distance x 0.57
	Beam Diameter = Distance x 0.93
<b>Super Wide Lens Performance at any distance:</b>	
Footcandles (or lux) = $70,400 \div \text{Distance}^2$	Beam Diameter = Distance x 1.02
<b>Frosted Lens Performance at any distance:</b>	
Footcandles (or lux) = $54,400 \div \text{Distance}^2$	Beam Diameter = Distance x 0.96

**Partners in Production®**

VANCOUVER

CALGARY

WINNIPEG

TORONTO

SUDBURY

HALIFAX