



# 12K HMI Par Head - ARRISUN 120

HMI PHOTOMETRICS



Distance	50 ft. (15.2 m)	75 ft. (22.9 m)	100 ft. (30.5 m)	125 ft. (38.1 m)
<b>Super Spot/No Lens</b>				
<b>Spot (7°)</b>				
Footcandles	11401	5067	2850	1824
Spread/Feet	6.1 ft.	9.2 ft.	12.2 ft.	15.3 ft.
	1.9 m	2.8 m	3.7 m	4.7 m
<b>Spot Lens</b>				
<b>Spot (10°)</b>				
Footcandles	6561	2916	1640	1050
Spread/Feet	8.7 ft.	13.1 ft.	17.5 ft.	21.9 ft.
	2.7 m	4.0 m	5.3 m	6.7 m
<b>Medium (13°)</b>				
Footcandles	3568	1586	892	571
Spread/Feet	11.4 ft.	17.1 ft.	22.8 ft.	28.5 ft.
	3.5 m	5.2 m	6.9 m	8.7 m
<b>Flood (16°)</b>				
Footcandles	2696	1198	674	431
Spread/Feet	14.1 ft.	21.1 ft.	28.1 ft.	35.1 ft.
	4.3 m	6.4 m	8.6 m	10.7 m
<b>Medium Lens</b>				
<b>Spot (11° x 29°)</b>				
Footcandles	2260	1005	565	362
Spread/Feet	9.6 x 25.9 ft.	14.4 x 38.8 ft.	19.3 x 51.7 ft.	24.1 x 64.7 ft.
	2.9 x 7.9 m	4.4 x 11.8 m	5.9 x 15.8 m	7.3 x 19.7 m

**Partners in Production®**

VANCOUVER

CALGARY

WINNIPEG

TORONTO

SUDBURY

HALIFAX

<b>Distance</b>	<b>50 ft. (15.2 m)</b>	<b>75 ft. (22.9 m)</b>	<b>100 ft. (30.5 m)</b>	<b>125 ft. (38.1 m)</b>
<b>Medium (18° x 31°)</b>				
<b>Footcandles</b>	1320	587	330	211
<b>Spread/Feet</b>	15.8 x 27.7 ft.	23.8 x 41.6 ft.	31.7 x 55.5 ft.	39.6 x 69.3 ft.
	4.8 x 8.4 m	7.3 x 12.7 m	9.7 x 16.9 m	12.1 x 21.1 m
<b>Flood (21° x 34°)</b>				
<b>Footcandles</b>	1036	460	259	166
<b>Spread/Feet</b>	18.5 x 30.6 ft.	27.8 x 45.9 ft.	37.1 x 61.1 ft.	46.3 x 76.4 ft.
	5.6 x 9.3 m	8.5 x 14.0 m	11.3 x 18.6 m	14.1 x 23.3 m
<b>Wide Lens</b>				
<b>Spot (20° x 33°)</b>				
<b>Footcandles</b>	732	325	183	117
<b>Spread/Feet</b>	17.6 x 29.6 ft.	26.4 x 44.4 ft.	35.3 x 59.2 ft.	44.1 x 74.1 ft.
	5.4 x 9.0 m	8.0 x 13.5 m	10.8 x 18.0 m	13.4 x 22.6 m
<b>Medium (28° x 47°)</b>				
<b>Footcandles</b>	620	276	155	99
<b>Spread/Feet</b>	24.9 x 43.5 ft.	37.4 x 65.2 ft.	49.9 x 87.0 ft.	62.3 x 108.7 ft.
	7.6 x 13.3 m	11.4 x 19.9 m	15.2 x 26.5 m	19.0 x 33.1 m
<b>Flood (37° x 58°)</b>				
<b>Footcandles</b>	381	169	95	61
<b>Spread/Feet</b>	33.5 x 55.4 ft.	50.2 x 83.1 ft.	66.9 x 110.9 ft.	83.6 x 138.6 ft.
	10.2 x 16.9 m	15.3 x 25.3 m	20.4 x 33.8 m	25.5 x 42.2 m
<b>Super Wide Lens</b>				
<b>Spot (43°)</b>				
<b>Footcandles</b>	400	178	100	64
<b>Spread/Feet</b>	39.4 ft.	59.1 ft.	78.8 ft.	98.5 ft.
	12.0 m	18.0 m	24.0 m	30.0 m
<b>Medium (46°)</b>				
<b>Footcandles</b>	262	116	66	42
<b>Spread/Feet</b>	42.4 ft.	63.7 ft.	84.9 ft.	106.1 ft.
	12.9 m	19.4 m	25.9 m	32.3 m
<b>Flood (58°)</b>				
<b>Footcandles</b>	241	107	60	39
<b>Spread/Feet</b>	55.4 ft.	83.1 ft.	110.9 ft.	138.6 ft.
	16.9 m	25.3 m	33.8 m	42.2 m

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HALIFAX

Distance	50 ft. (15.2 m)	75 ft. (22.9 m)	100 ft. (30.5 m)	125 ft. (38.1 m)
<b>Frosted Lens</b>				
<b>Spot (38°)</b>				
Footcandles	348	155	87	56
Spread/Feet	34.4 ft.	51.6 ft.	68.9 ft.	86.1 ft.
	10.5 m	15.7 m	21.0 m	26.2 m
<b>Medium (47°)</b>				
Footcandles	252	112	63	40
Spread/Feet	43.5 ft.	65.2 ft.	87.0 ft.	108.7 ft.
	13.3 m	19.9 m	26.5 m	33.1 m
<b>Flood (57°)</b>				
Footcandles	172	76	43	28
Spread/Feet	54.3 ft.	81.4 ft.	108.6 ft.	135.7 ft.
	16.6 m	24.8 m	33.1 m	41.4 m

<b>Lens Performance</b>	
<b>Super Spot/No Lens Performance at any distance:</b>	
Footcandles (or lux) = 28,500,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.12
<b>Spot Lens Performance at any distance:</b>	
Footcandles (or lux) = 8,920,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.23
<b>Medium Lens Performance at any distance:</b>	
Footcandles (or lux) = 3,300,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.32
	Beam Diameter = Distance x 0.56
<b>Wide Lens Performance at any distance:</b>	
Footcandles (or lux) = 1,550,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.50
	Beam Diameter = Distance x 0.87
<b>Super Wide Lens Performance at any distance:</b>	
Footcandles (or lux) = 655,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.85
<b>Frosted Lens Performance at any distance:</b>	
Footcandles (or lux) = 630,000 ÷ Distance <sup>2</sup>	Beam Diameter = Distance x 0.87