



# HemiStar HMT-119 Lens

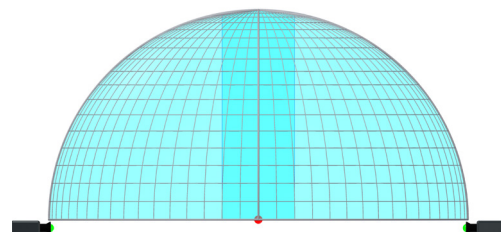


Projection Angle Chart for Dome Lens																
Projection Panels	Resolution			Panel Size (mm)			Projected Pixels			Projection Angles				Shift		
	Horizontal	Vertical	Pixel Pitch	Horizontal	Vertical	Diagonal	Horizontal	Vertical	Mpixels	Horizontal	Vertical	Diagonal	TR Equiv	Horizontal	Vertical	V Angle
0.96" WUXGA	1920	1200	10.80 µm	20.736	12.960	24.453	1920	1200	2.30	105.0°	63.7°	126.5°	0.38:1	13%	50%	36.2°
0.90" WQXGA	2560	1600	7.56 µm	19.354	12.096	22.823	2560	1600	4.10	97.3°	59.3°	116.9°	0.44:1	17%	57%	38.4°
0.94" SXGA+	1400	1050	13.68 µm	19.152	14.364	23.940	1400	1050	1.47	96.2°	70.8°	123.5°	0.45:1	18%	41%	32.6°
0.94" HD1080	1920	1080	10.8 µm	20.736	11.664	23.791	1920	1080	2.07	105.0°	57.1°	122.6°	0.38:1	13%	61%	39.5°

HMT-119 Model Numbers	
Model	Projector Brand
I-27978	Christie
I-27977	Panasonic
I-29340	DP TITAN
I-29610	Barco

Note: Part numbers vary depending on projector manufacturer and model. Call for a Quote.

## Active Image on Screen



Lens Specifications	
Focal Length:	11.88 mm
Image Circle:	26.0 mm
Max Half-Angle:	68°
F/#:	F/2.5
Focus Range:	4m - ∞
MTF Center:	90% @ 66 lp/mm
MTF Edge:	41% @ 66 lp/mm
Lateral Color R-G:	< 3.75 µm
Lateral Color B-G:	< 3.75 µm
F-Theta Distortion:	-8.5% Max
Transmittance:	75%
Relative Illumination:	> 97%
Back Focus:	90.528mm Air Equivalent, for 3 chip WUXGA DLP

## Line Drawing

