



HemiStar HS45 Lens

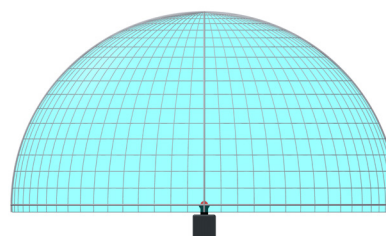


Projection Angle Chart for Dome Lens															
Projection Panels	Resolution			Panel Size (mm)			Projected Pixels				Projection Angles		Shift		
	Horizontal	Vertical	Pixel Pitch	Horizontal	Vertical	Diagonal	Horizontal	Vertical	@ 180°	Mpixels	Horizontal	Vertical	Horizontal	Vertical	V Angle
0.90" WQXGA	2560	1600	7.56 μ m	19.354	12.096	22.823	1831	1600	1781	2.01	185.8°	160.2°	0%	7%	12.9°
0.96" WUXGA	1920	1200	10.8 μ m	20.736	12.960	24.453	1281	1200	1247	1.13	185.8°	172.8°	0%	3%	6.6°
0.94" HD1080	1920	1080	10.8 μ m	20.736	11.664	23.791	1281	1080	1247	0.92	185.8°	154.0°	0%	9%	16.0°
0.94" SXGA+	1400	1050	13.68 μ m	19.152	14.364	23.940	1012	1012	984	0.80	185.8°	185.8°	0%	0%	0.1°

HS45 Model Numbers	
Model	Projector Brand
I-22882	Barco, DP dVision
I-29781	Norxe PI
I-26668	Christie
I-28456	Barco, DPi Vision

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

Active Image on Screen



Lens Specifications	
Focal Length:	4.5 mm
Image Circle:	13.84 mm
Max Half-Angle:	93°
F/#:	F/2.5
Focus Range:	800 mm - ∞
Transmittance:	80%
MTF Center:	70% @ 66 lp/mm
MTF Edge:	40% @ 66 lp/mm
Lateral Color R-G:	< 3.4 μ m
Lateral Color B-G:	< 3.6 μ m
F-Theta Distortion:	-5% Max
Relative Illumination:	95%
Max Lumens:	15
Back Focus:	Suitable for 0.95" single-chip DLP & 3LCD

Line Drawing

