



HemiStar HM4K-83 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
0.67" WQXGA+	2716	1600	5.4 μ m	14.666	8.640	17.022	2716	1600	4.35	105.2°	60.6°	123.2°	0.38:1	14%	59%	38.8°
0.64" WQXGA	2560	1600	5.4 μ m	13.824	8.640	16.302	2560	1600	4.10	98.8°	60.6°	117.6°	0.43:1	18%	59%	38.8°
0.66" 4K UHD	3840	2160	3.8 μ m	14.592	8.208	16.742	3840	2160	8.29	104.6°	57.4°	121.0°	0.39:1	15%	65%	40.3°
0.67" WUXGA	1920	1200	7.56 μ m	14.515	9.072	17.117	1920	1200	2.30	104.0°	63.7°	123.9°	0.39:1	15%	54%	37.2°

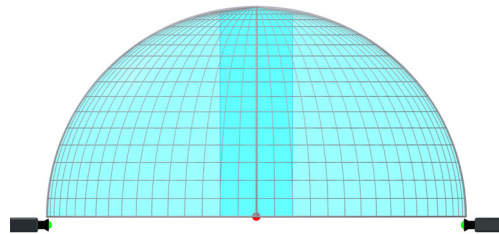
HM4K-83 Model Numbers

Model | Projector Brand

I-00256 Barco F80-4K12

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

Active Image on Screen



Lens Specifications

Focal Length: 8.25 mm

Image Circle: 18.9 mm

Max Half-Angle: 69°

F/#: F/2.5

Focus Range: 1m - ∞

MTF Center: 81% @ 93 lp/mm

MTF Edge: 70% @ 93 lp/mm

Lateral Color R-G: <1.1 μ m

Lateral Color B-G: <0.7 μ m

F-Theta Distortion: -5% Max

Back Focus: 35.58mm Air Equivalent

Line Drawing

