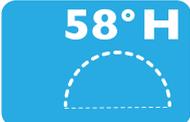
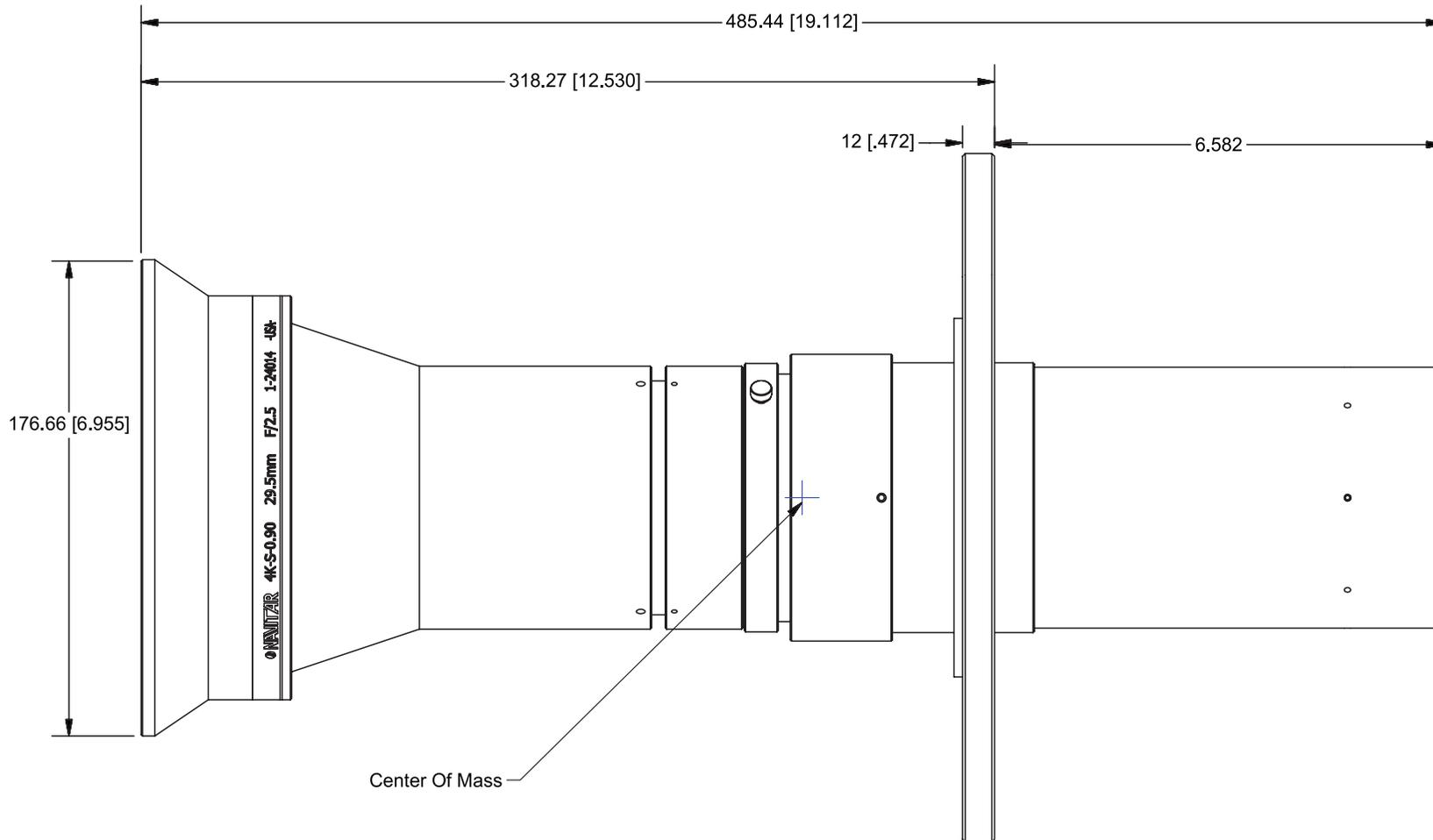


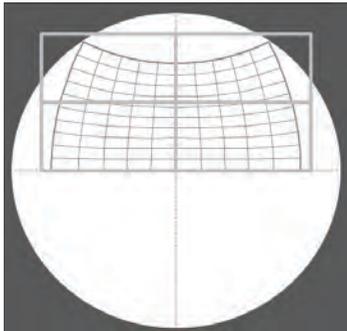
4K-S-0.90 Sony Wide Angle Accessory Lens

Projection Angle Chart														
			Resolution			Panel Size (mm)			Projection Angles (°) *			Throw Ratio	Shift	
			H	V	Pixel Pitch (μm)	H	V	Diag.	H	V	Diag.		H +/-%	V +/-%
Original Panel	1.48"	4K LCoS	4096	2160	8	32.768	17.280	37.045	58.4	32.7	64.6	0.89:1	9%	30%



Panel Usage

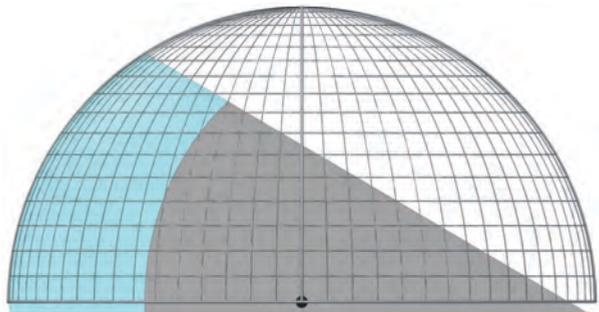
Active Image on Projector Panel



The illustration shows the active pixels used to project a hemisphere. A full hemisphere is projected as a circle of (active) pixels. This image is a side view showing the dome channel.

On-Screen Projection

Active Image on Screen



The illustration shows the projected image against a 5° azimuth-elevation grid. The projector is positioned at dome center and uniformly casts a hemispherical beam to the screen.

Lens Specifications

Focal Length	29.5mm	MTF Center	85% @ 60lp/mm
Image Circle	39.73mm	MTF Edge	52% @ 60lp/mm
Max Half-Angle	34.18°	Lateral Color R-G	<=4 um
F/#	F/2.5	Lateral Color B-G	<=4 um
Focus Range	2m – Inf.	TV Distortion	0.46%
Transmittance	79-89%	Relative Illum.	>74%

Suggested Projectors

Navitar Part #	Projector	Resolution	Lumens
I-24014	Sony SRX-T615	4096 x 2160	17,000
I-24014	Sony SRX-R515P	4096 x 2160	15,000

*Panel size effects projection angle

