

# CUL12K



Build to shine and last in demanding professional installation spaces

- 12,000 lumens, 20,000 hours maintenance free light source
- Optoma DuraCore Laser Technology
- MCL Technology to deliver a wider color gamut while maintaining high brightness
- Support 360-degree & portrait mode & 24/7 operations
- IP6X certified optical engine to ensure stable and long lasting brightness output
- Dimmable Brightness (down to 20%)
- Content adaptive dynamic black for excellent video quality
- Full HD 3D supported
- Built-in warping and blending



## Specifications

Native Resolution	WUXGA 1920 x 1200	Keystone Correction	±20° vertical, ±20° horizontal
Brightness	12,000 lumens	Aspect Ratio	16:10
Contrast Ratio	2,000,000:1 (w/ Extreme Black),	Projection Screen Size	50" ~300"
Projection Lens	Six lens options - no lens supplied as standard	Security	4-digit PIN code, Kensington lock port, security bar
Throw ratio	0.36 ~ 5.50 "lens dependent"	Projection Distance	Lens dependent
Zoom type	Motorized	Uniformity	90%
Offset	Dependent on lens	Display Colors	1073.7 Million
Lens Shift	Dependent on lens ; powered	Horizontal Scan Rate	15 ~91 KHz
Light Source Life (hours)	20,000	Vertical Scan Rate	24~85 Hz(120Hz for 3D)
Light Type	Blue & Red Laser Diodes	Noise Level (Eco)	32 dB
3D Support	Full 3D	Weight (Kg)	23.4
Connections	3G-SDI, HDMI, VGA, DVI-D, HDBaseT, VGA out, HDMI out, USB Power RS232C Wired Remote in, 3D Sync in, 3D Sync out, RJ45 Mini USB (Service)	Computer Compatibility	WUXGA, HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible
Video Compatibility	PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p)	3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Size (WxDxH mm)	484 x 509 x 185mm without lens/elevators	Power Supply	100-240V, 50-60Hz
Power Consumption	945W +/- 15% @110V (Normal Mode) 480W +/- 15% @110V (Eco Mode) 910W +/- 15% @220V (Normal Mode) 470W +/- 15% @220V (Eco Mode)	Operating Temperature	for 0 ~ 2500 ft, 5 ~ 40°C for 2500 ~ 5000 ft, 5 ~ 35°C for 5000 ~ 10000 ft, 5 ~ 30°C

Projection Lens	A01	A06	A03	A13	A15	A16
Lens Type	Wide Zoom	Standard	Long Zoom	Ultra-Long Zoom	Short Throw	Ultra Short
Image						
Throw Ratio	0.95-1.22	1.22-1.52	1.52-2.92	2.90-5.50	0.75-0.95	0.36
F number	2.30-2.57	2.00~2.30	2.30-3.39	2.30-2.74	2.30-2.53	2.4
Zoom Ratio	1.28X	1.25X	1.9X	1.9X	1.26X	n/a
Throw Distance	1.02~7.88m	1.31~9.82m	1.64~18.87m	3.12~35.54m	0.81-6.13m	0.93-2.62m
Screen Size	50" – 300"	50" – 300"	50" – 300"	50" – 300"	50" – 300"	120" – 350"
Weight (Kg)	0.6	0.9	0.8	1.0	0.7	2.7