

8A004 LENS SPECIFICATION

DMD Specifications		
1	DMD type	0.47" 1080P 1920x1080
2	Pixel size	5.4um
3	Cover glass material, thickness	B1063(Nd=1.50998), 1.1 ± 0.05 mm
4	Gap between cover glass & active area	0.303+/-0.05 mm
Lens Specifications		
5	Offset	Max. 2.916mm (100%)
6	Image circle	Max. Ø15.606mm
7	Throw Ratio	1.0 (80" @1.77m)/Tele: 1.3
8	Zoom Ratio	1.3x
9	Effective focal length	Wide: 10.55mm/Tele: 13.68mm
10	Working F/#	Wide:1.8; Tele:1.85
11	Exit Pupil Position	-189mm
12	Focus Range	Wide: optical:55" ~ 120" Tele: optical: 42.3" ~ 92.3"
13	Back focal length (available for 4k)	3.867mm(Air)+2.0mm(B270)+2.731(Air) +13.2mm(H-ZBAF52)+1.3mm(Air)+1.1mm(Cover Corning Eagle XG)+0.303mm(Air)
Design Performance (wide 80" @1.77m)		
14	Wavelength weighting	450nm: 540nm : 630nm = 1 : 2 : 2
15	MTF @ 93lp/mm	Wide: W > 47.7%, R > 61.2% , G > 63.5% , B > 39.8% Tele: W > 46.8%, R > 48.5% , G > 44.1% , B > 38.3%
16	Relative Illumination	> 67.2%(Wide), >60.0%(Tele)
17	TV Distortion	< 0.40%

2D outline



