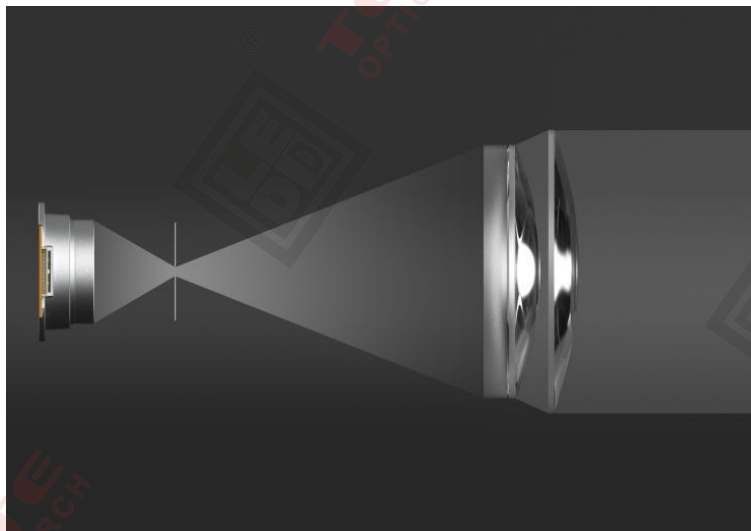


IMMBEAM

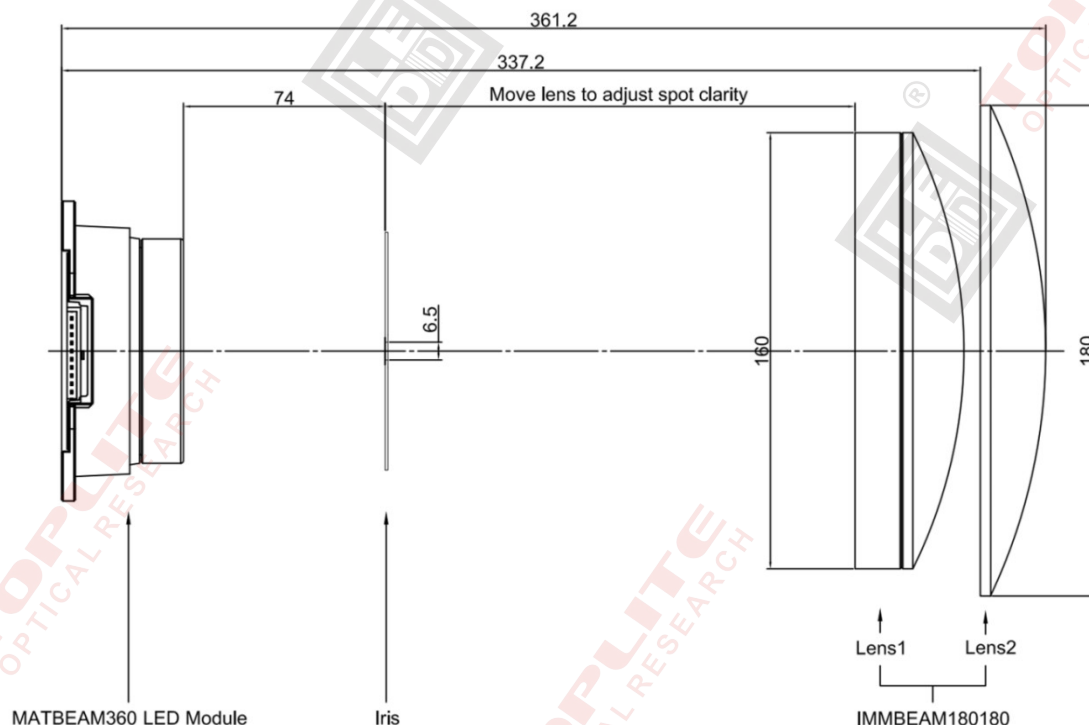
The IMMBEAM series is a lens assembly designed specifically for narrow-angle collimated light beams. It consists of a pair of achromatic lenses and a plano-convex lens. These lenses are manufactured using high-precision grinding processes and feature multi-layer anti-reflective coatings. The full-angle beam can be as small as 0.5°, resulting in a sharp and uniformly bright light spot. The IMMBEAM series can be used in conjunction with various light sources, such as LED matrix modules, laser matrix modules, and gas discharge bulbs, among others. There are two available apertures.



Model No.	IMMBEAM180180	IMMBEAM224230
Output Lens Size	Ø180 mm	Ø224 mm
Achromatic Lens	Ø160 mm	Ø200 mm
Coating	Anti-reflection	Anti-reflection

Test light path, parameter and data(for reference only)

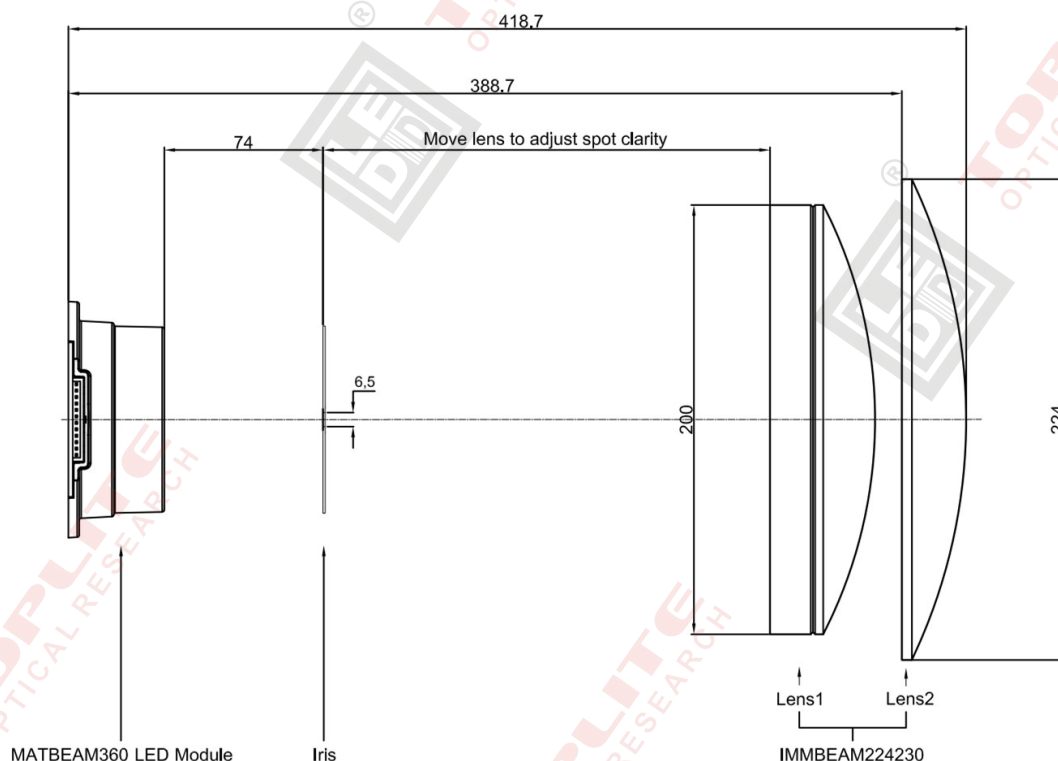
I. IMMBEAM180180



The working distance and iris size(74 and 6.5 in the above diagram) will change with the matrix module used.

Optical fly-eye lens matrix module	MATBEAM360	MATBEAM360	MATBEAM1000	MATGOBO600	MATLASER150
Module type	LED matrix				Laser matrix
Module power	330W	520W	800W	1,300W	140W
LED/Laser model	KW CSLNM1.TG	SFT-12X-W	DGY-T-TN-50- 300-11-A2	DGY-T-TN-50- 300-11-A2	SMD1000
Qty of LED/Laser	37	37	37	61	7
Packaging size of LED/Laser	3030	3535	5050	5050	7070
Iris/Gate	Φ6.5mm	Φ6.5mm	Φ16.8mm	Φ25mm	Φ2mm
Beam angle	2°	2°	4°	5.5°	1°
Illumination@10m (≥)	40,000 lx	46,000 lx	55,000 lx	52,000 lx	190,000 lx

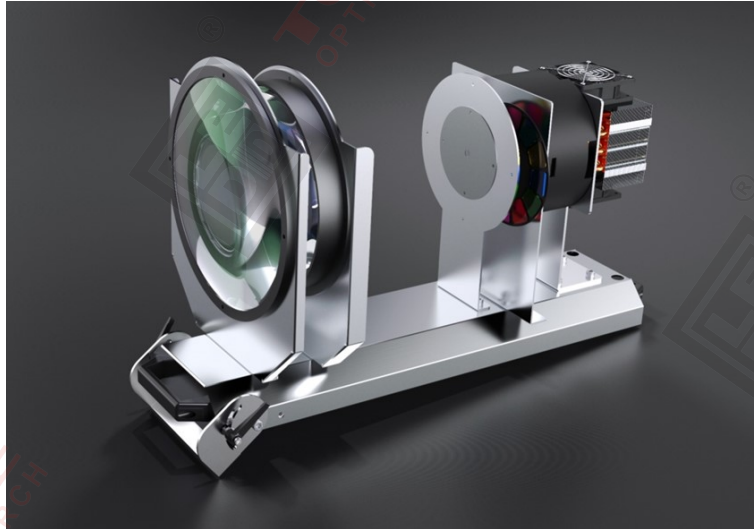
II. IMMBEAM224230



The working distance and iris size(74 and 6.5 in the above diagram) will change with the matrix module used.

Optical fly-eye lens matrix module	MATBEAM360	MATBEAM360	MATBEAM1000	MATGOBO600	MATLASER150
Module type	LED matrix				Laser matrix
Module power	330W	520W	800W	1,300W	140W
LED/Laser model	KW CSLNM1.TG	SFT-12X-W	DGY-T-TN-50- 300-11-A2	DGY-T-TN-50- 300-11-A2	SMD1000
Qty of LED/Laser	37	37	37	61	7
Packaging size of LED/Laser	3030	3535	5050	5050	7070
Iris/Gate	Φ6.5mm	Φ6.5mm	Φ16.8mm	Φ25mm	Φ2mm
Beam angle	1.5°	1.5°	3.6°	4.5°	0.5°
Illumination@10m (≥)	62,000 lx	72,000 lx	90,000 lx	85,000 lx	300,000 lx

III. LED beamlight testing prototype



Include the following parts:

- LED matrix module model: MATBEAM360
- LED matrix module driving controller
- Lens: IMMBEAM224230
- Fin copper tube radiator
- Fan
- Iris size: $\Phi 6.5\text{mm}$
- Metal base