

# Variable Optical Imaging System

## Imaging Projection Lens Assembly

### IMM30S-F55

IMM30S-F55 belongs to the product family of IMM imaging projection lens assembly. It consists of multiple lenses assembled in a aluminum alloy housing. All of the lenses are made of special glass materials using high precision grinding and surface polishing processes, and coated with multiple layers of high-transmittance film, through precise assembly, form a low-dispersion lens with high resolution, offering high-quality imaging. Arranging LED, specific condensing lens set, and IMM30S-F55 lens in group to form an imaging projection system with the characteristics of fixed wide beam angle and short light path. The projected light spots exhibit high clarity, uniform, fullness, and are free from distortion. IMM30S-F55 is particularly well-suited for low to medium power and compact-size LED projection lighting applications.

Applications scope: High-definition LED imaging lights, pattern projection lights, profile cutting lights, profile spotlights, and more.

Application Areas: Stage performances, cultural and tourism landscapes, film and video shooting, commercial photography, museums, art galleries, and more.



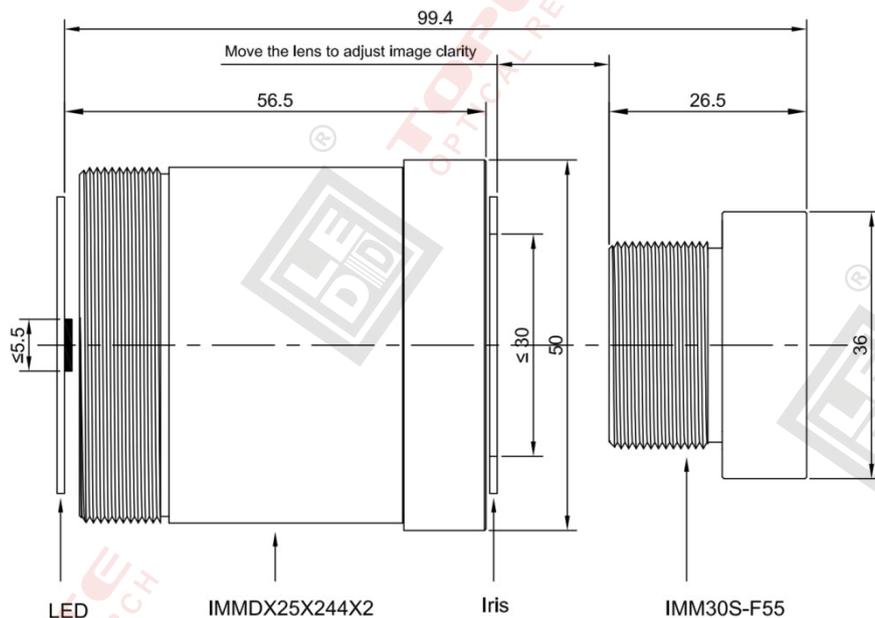
IMM30S-F55 and its specific condensing lens

**Main Parameters:**

Product Model	IMM30S-F55	IMM30S-F55G18
Product Type	Lens assembly	
LED	High integrated LED or COB, LES $\leq \Phi 10\text{mm}$ , for higher imaging quality LES $\leq \Phi 5.5\text{mm}$ is preferred.	
Condensing Lens	IMMDX25X244X2	
Gate (Effective Gobo Size)	$\leq \Phi 30\text{mm}$	
Coatings	Multi-layer anti-reflection	
Beam Angle	55°	
Length of light path	$\leq 100\text{mm}$	

**Schematic diagram of imaging light path**

A typical imaging system schematic diagram is showed here. It consists of four parts, from left to right they are, LED, condensing lens, gate (Gobo), and imaging lens. The condensing lens is IMMDX25244X2, and the gate (effective gobo size) is less than  $\Phi 30\text{mm}$ .



**Ordering Information**

Lens model	Lens type
IMM30S-F55	Imaging projection lens
IMM30S-F55G18	Imaging projection lens
IMMDX25244X2	Condensing lens