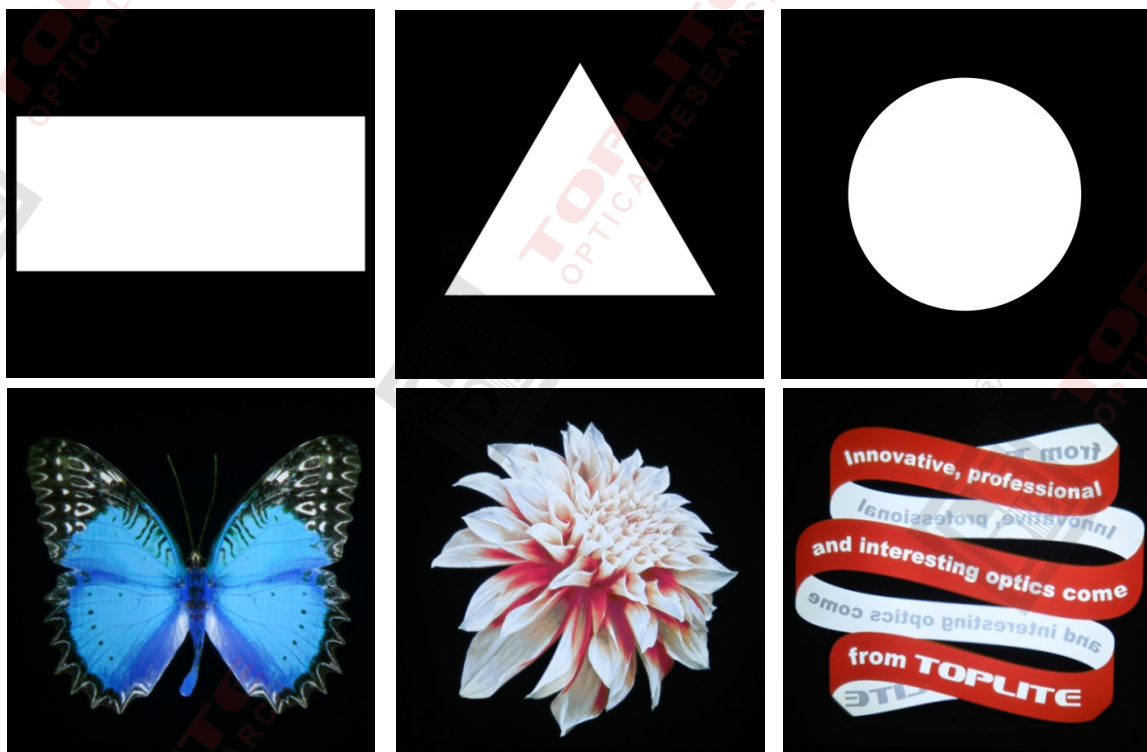


High-Definition Imaging Projection Lens Assembly

IMM24S Series

The IMM24S is a model within the high-definition projection lens series. It features a frosted matte black metal shell. The internal lenses are manufactured with high-precision grinding processes, coated with multi-layer anti-reflection coatings, and precisely assembled. This ensures high resolution and high-definition imaging performance. When used in combination with a high-efficiency condenser lens, the projected light spot exhibits clarity, sharpness, uniformity, fullness, and zero distortion. The overall optical path length is short, making the lens suitable for applications in small and medium-sized products.

Applications: This lens is ideal for small and medium-sized LED high-definition logo projectors, pattern projectors, framing projectors, high-definition wide-angle projection systems, and other equipment that demands high imaging quality.



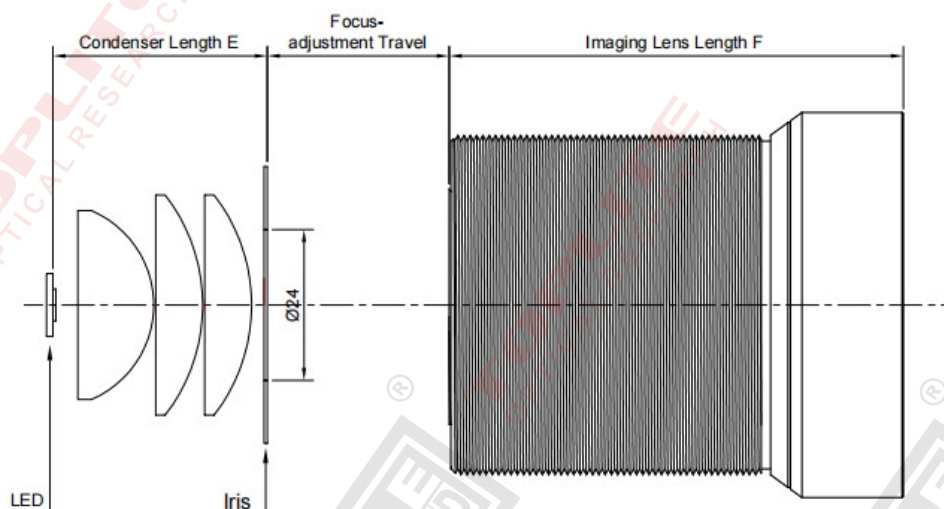
IMM24S Series Projection Lens :



● Main Specifications:

Lens Type	IMM24S-F19	IMM24S-F28	IMM24S-F36	IMM24S-F55	IMM24S-F70
Compatible Light Source	High-density LED, COB, etc., with light-emitting surface $\leq \Phi 12$ mm				
Condenser Lens	IMMDX303535, IMMDX40X2 It can also be customized according to specific application needs.				
Aperture	$\Phi 24$ mm				
Angle	19°	28°	36°	55°	70°
Size	$\Phi 55 \times 77$ mm	$\Phi 70 \times 88$ mm	$\Phi 70 \times 72.2$ mm	$\Phi 70 \times 81$ mm	$\Phi 61 \times 72.2$ mm
Optical Path Length	157.5mm	148.5mm	142.7mm	149mm	133.2mm
Coating	High-quality multi-layer anti-reflection coating				

Optical Schematic Diagram:



The optical path primarily consists of two optical components: a condenser lens and an imaging projection lens. From left to right, the light emitted by the LED first passes through the condenser lens IMMDX303535 for beam concentration, then travels through a $\Phi 24$ mm aperture, and finally is projected through the imaging projection lens IMM24S-Fxx. The IMM24S-Fxx lens can be moved back and forth along the optical axis on the right side of the aperture (at the focusing adjustment position indicated in the figure) to achieve optimal focus of the projected spot or pattern at different projection distances;

Ordering Model:

Model No.	Type
IMM24S-F19	Imaging Projection Lens Assembly
IMM24S-F28	Imaging Projection Lens Assembly
IMM24S-F36	Imaging Projection Lens Assembly
IMM24S-F55	Imaging Projection Lens Assembly
IMM24S-F70	Imaging Projection Lens Assembly
IMMDX303535	Condenser Lens Group
IMMDX40X2	Condenser Lens Assembly