Variable Optical Imaging System

Imaging Projection Lens Assembly

IMM80S-F60

IMM80S-F60 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 IMM80S-F60 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. IMM80S-F60 is particularly well-suited for high 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.
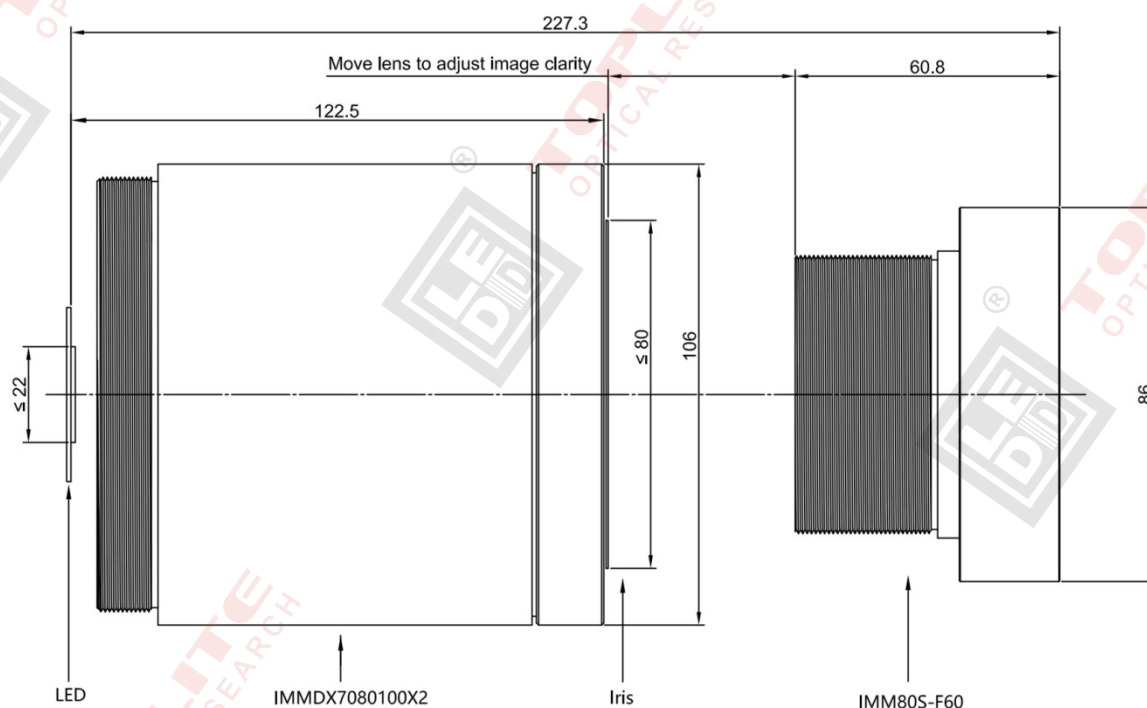

IMM80S-F60 and its specific condensing lens

Main Parameters:

Product Model	IMM80S-F60
Product Type	Lens assembly
LED	High integrated LED or COB, LES ≤ Φ22mm,
Condensing Lens	IMMDX7080100X2
Gate (Effective Gobo Size)	≤Φ80mm
Coatings	Multi-layer anti-reflection
Beam Angle	60°
Length of light path	≤230mm

Schematic diagram of imaging light path

A typical imaging system schematic diagram is showed here. Each one consists of four parts, from left to right they are, LED, condensing lens, gate (Gobo), and imaging lens. The gate (effective gobo size) is less than Φ80mm.

Ordering Information

Lens model	Lens type
IMM80S-F60	Imaging projection lens
IMMDX7080100X2	Condensing lens