Variable Optical Imaging System

Imaging Projection Lens Assembly

IMM60S-F42

IMM60S-F42 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 IMM60S-F42 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. IMM60S-F42 is particularly well-suited for medium to 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.

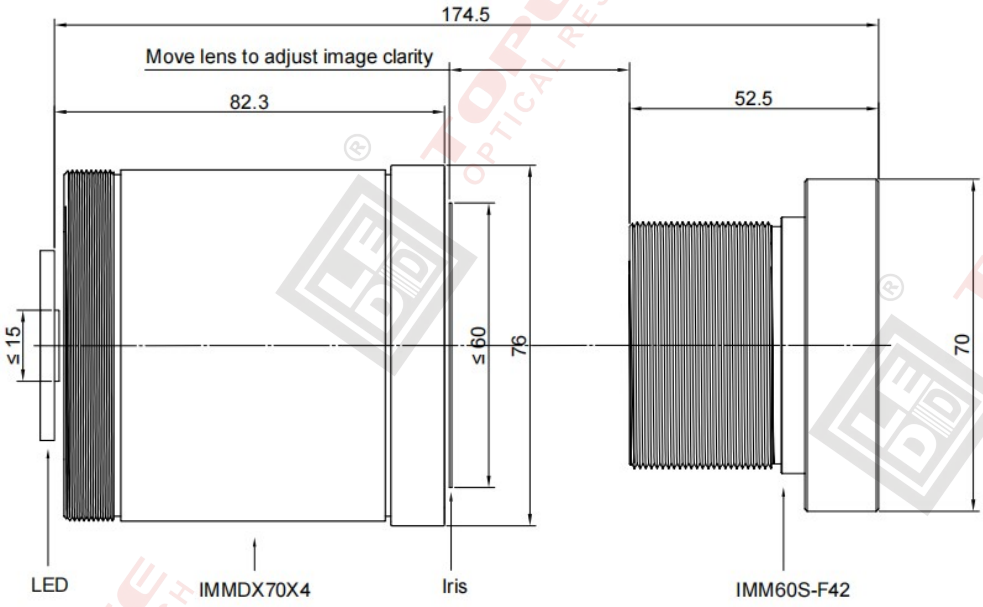
IMM60S-F42 and its specific condensing lens

Main Parameters:

Product Model	IMM60S-F42
Product Type	Lens assembly
LED	High integrated LED or COB, LES ≤ Φ15mm,
Condensing Lens	IMMDX70X4
Gate (Effective Gobo Size)	≤Φ60mm
Coatings	Multi-layer anti-reflection
Beam Angle	42°
Length of light path	≤175mm

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 Φ60mm.



Ordering Information

Lens model	Lens type
IMM60S-F42	Imaging projection lens
IMMDX70X4	Condensing lens