# Imatest Stray Light ND Filter Kit

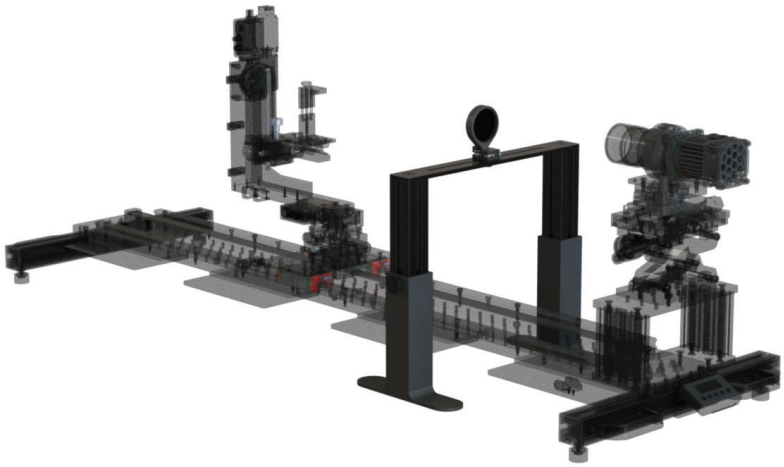
*Neutral Density filter kit for Imatest Stray Light Source*

## Why Choose the Imatest Stray Light ND Filter Kit?

The Neutral Density (ND) Filter Kit for the Imatest Stray Light LED Source enhances the process of characterizing and testing stray light (flare) in cameras. The ISL-LED emits a uniform, collimated beam of light that represents a small point-like source. When captured by a camera, this bright image creates stray light, which can be visually inspected or analyzed using Imatest stray light analysis software. For cameras without adjustable gain and exposure settings, the ND Filter Kit enables the capture of an unsaturated image of the source, essential for calculating stray light metrics like P2020 Normalized Stray Light and Point Source Rejection Ratio (PSRR). This kit includes a 50mm filter mount, and optional 2.5 Optical Density reflective ND filter with uniform reflectivity across 190nm - 1,700nm.

## Imatest Stray Light ND Filter Kit Features

- ✓ Allows you to easily add and remove the ND filter from the BTS
- ✓ Accommodates other optics mounted within the included 50mm ring mount or M4 slot
- ✓ ND Filter: features excellent parallelism and surface characteristics to provide constant, ultra-broadband performance from 190 – 1700nm
- ✓ Miniature tip-tilt stage to ensure proper filter to light source alignment



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# Imatest Stray Light ND Filter Kit Specifications

| Specifications | Details |
|---|---|
| **Weight:** | 2 Kg (4.5 lbs) |
| **Dimensions:** | 197 x 375 x 315-460 mm (7.75" x 14.75" x 12.4-18.1") |
| **Mounting Options:** | Designed for versatile placement over BTS |
| **Filter Mounting Options:** | 50mm ring mount and M4 clearance slot 100mm long |

# ND Filter Specifications

| Specifications | Details |
|---|---|
| **Neutral Density Filter:** | 2.5 OD UV-NIR Reflective ND Filter |
| **Blocking Wavelength Range:** | 190 – 1700nm |
| **Diameter:** | 50mm |
| **Thickness:** | 5.00mm ±0.10 |
| **Clear Aperture:** | 80% |
| **Substrate:** | Fused Silica (Corning 7980) |
| **Coating:** | Metallic Based ND |
| **Surface Quality:** | 40-20 Scratch-Dig |
| **Transmission:** | 0.3% |
| **Transmitted Wavefront, P-V:** | λ/4 |
| **Parallelism:** | <5 arcsec |