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12.7mm Clear Aperture 40R/40T, Pellicle Beamsplitter



Pellicle Beamsplitters

Stock **#19-308** **4 In Stock**

⊖ 1 ⊕ ₹19,800

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General

Pellicle Beamsplitter **Type:**

Physical & Mechanical Properties

12.7 **Clear Aperture CA (mm):**

Pellicle **Construction:**

19.05 **Diameter (mm):**

Black Anodized Aluminum **Housing:**

2 +0.3/-0.0 **Thickness (µm):**

Optical Properties

Metal/Dielectric **Coating:**

40/40 @ 400 - 700nm **Coating Specification:**

1.5 **Index of Refraction (n_d):**

40/40 ±5% **Reflection/Transmission Ratio (R/T):**

Nitrocellulose **Substrate:** □

40-20 **Surface Quality:**

400 - 700 **Wavelength Range (nm):**

Threading & Mounting

3.18 **Mount Thickness (mm):**

2-56 **Mounting Threads:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **REACH 241:**

United States **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

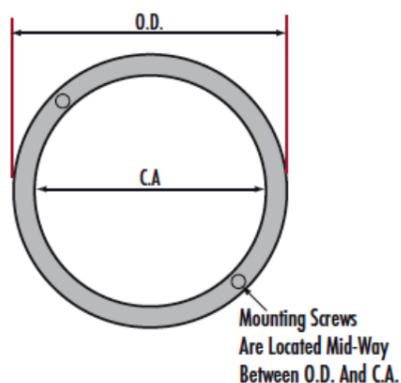
Product Details

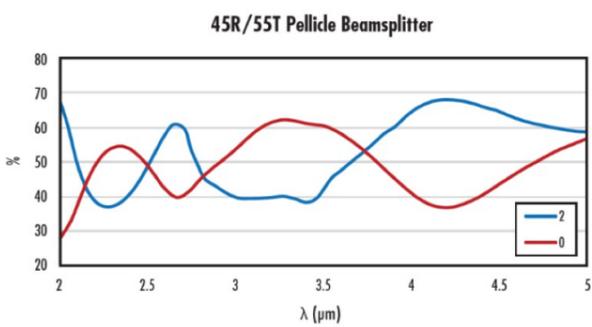
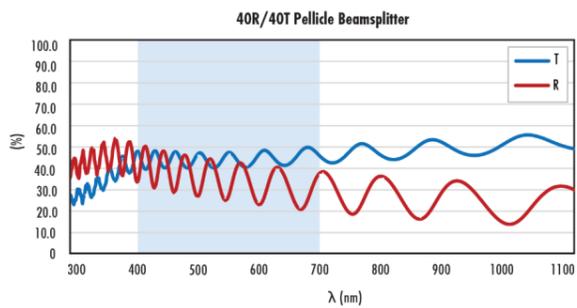
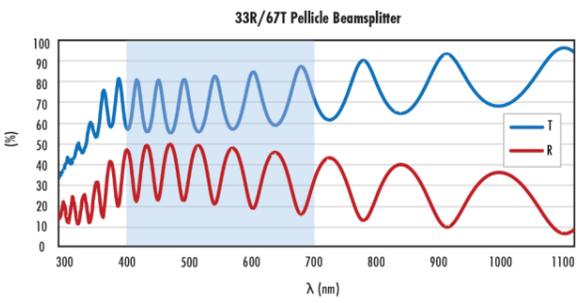
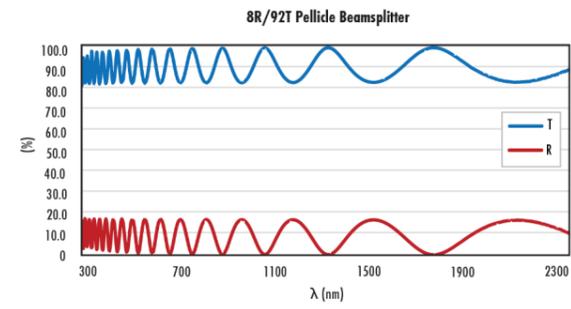
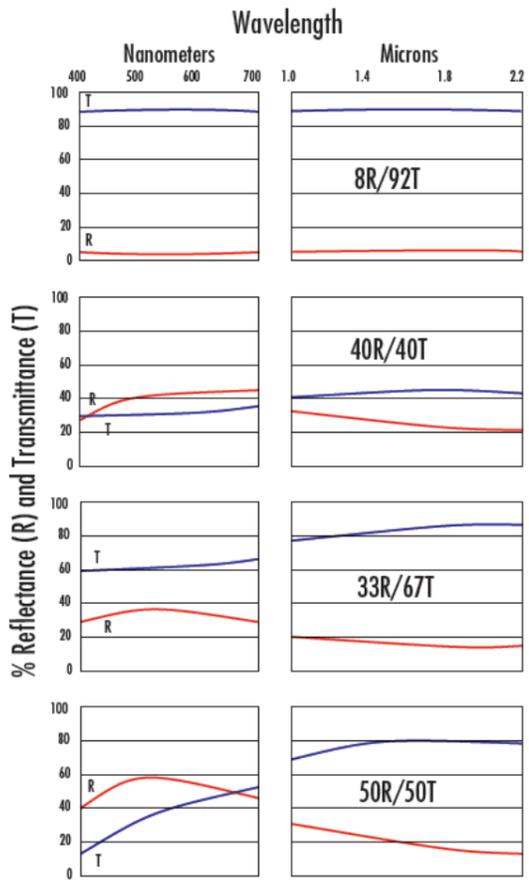
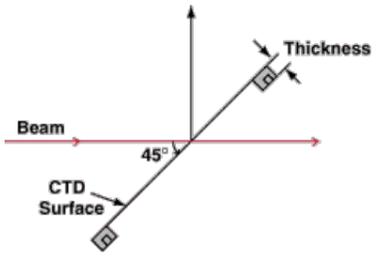
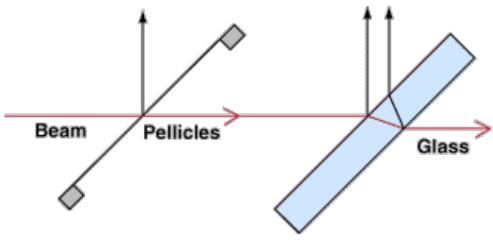
- No Ghost Images from Second Surface Reflections
- No Chromatic Aberration with Converging Beams
- No Change in Optical Path Length
- [Pellicle Beamsplitters for the Infrared \(IR\)](#) Also Available

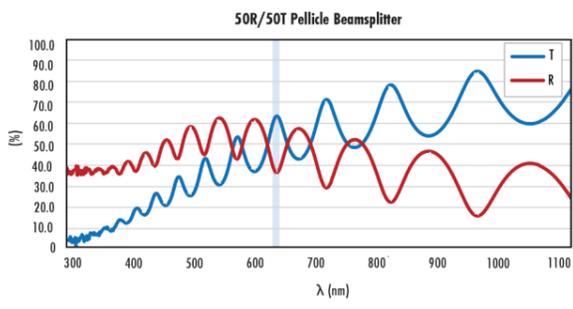
Pellicle Beamsplitters are very thin nitrocellulose membranes bonded to lapped aluminum frames. They feature no ghost images from second surface reflections. To ease system integration, these beamsplitters offer mounting holes on the underside of the frame. Pellicle Beamsplitters are resistant to mechanical shock or climate variations but must be protected from dust and spray to avoid damage to the pellicle membrane. Please note, environments with a high level of humidity (>55%) can cause a temporary loss of tension in the pellicle membrane. The membrane will revert to normal tension if humidity is lowered.

Note: Extra care must be taken when handling.

Technical Information







Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

Compatible Mounts
