

[See all 8 Products in Family](#)

0.04 - 2.0 OD, 50mm, Apodizing Filter Bull's Eye



Bullseye Filter

Stock **#64-390** **5 In Stock**

⊖ 1 ⊕ C\$635⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	C\$635.60 each
Qty 11-25	C\$571.20 each
Qty 26-49	C\$544.60 each
Need More?	Request Quote

Product Downloads

General

Bull's Eye **Type of Filter:**

Apodizing Filter **Type:**

±5 of Optical Density **Linearity (%):**

Physical & Mechanical Properties

50.00 +0.00/-0.20 **Diameter (mm):**

1.50 ±0.10 **Thickness (mm):**

Optical Properties

0.04 - 2.0 **Optical Density OD (Average):**

E270 **Substrate:**

Variable **Coating:**

60-40 **Surface Quality:**

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

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

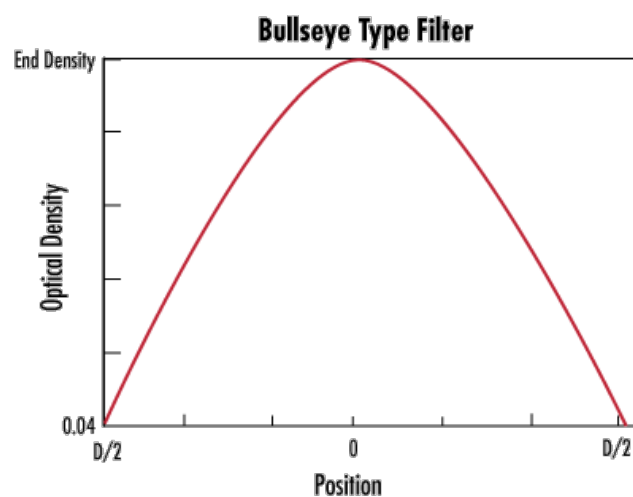
Product Details

- Bull's Eye Filter Type Decreases Radially from Center
- Reverse Bull's Eye Type Increases Radially from Center
- Ideal for Eliminating Intensity Variations in Optical Systems

Continuously Variable Apodizing Filters are used to create an even illumination profile in an optical system. Bull's Eye type filters feature a high optical density in the center which decreases continuously to an uncoated edge. The filters are commonly used to flatten the intensity profile of Gaussian beams. Continuously Variable Apodizing Filters are available in a 25 or 50mm diameter, in either a Bull's Eyes or Reverse Bull's Eye. The Reverse Bull's Eye type features a high optical density coating on the filter's edge which decreases continuously to an uncoated center.

Our standard filters are available in 25 and 50mm diameters, with end densities of 1.0 and 2.0. For different substrates, sizes, or intensity profiles, please contact our [Applications Engineering Department](#).

Technical Information



Compatible Mounts