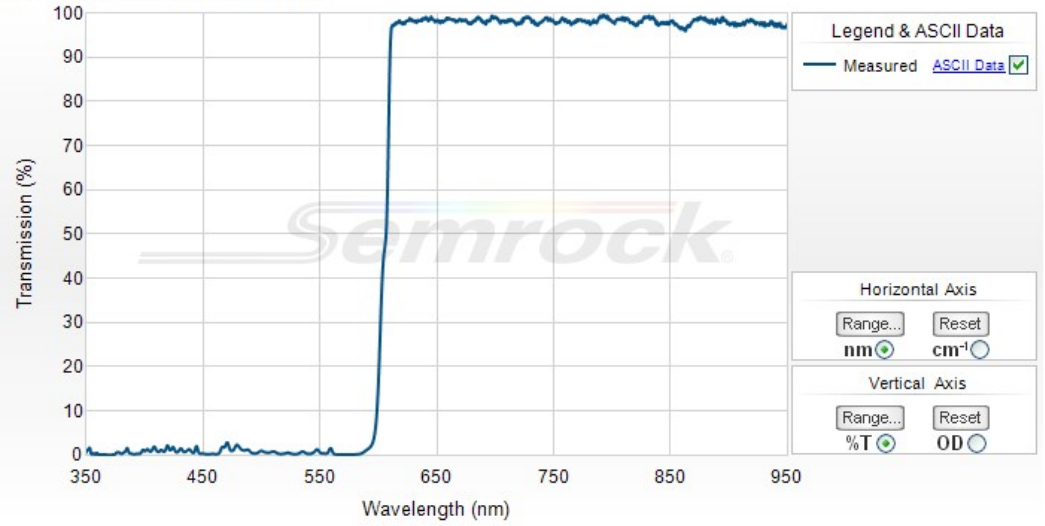
605 nm edge BrightLine® single-edge standard epi-fluorescence dichroic beamsplitter
Part Number: FF605-Di02-25x36



Semrock, Inc
3625 Buffalo Road, Suite 6
Rochester, New York 14624

Main Phone: +1 585.594.7050 (worldwide)
Toll Free Phone: 866.736.7625 (866-SEMROCK)
(within US and Canada)

Your filter spectrum may differ slightly from the typical spectrum above, but is certified to meet the optical specifications noted below.

605 nm edge BrightLine® single-edge standard epi-fluorescence dichroic beamsplitter

Semrock offers a wide range of dichroic beamsplitters that exhibit steep edges with very high reflection and transmission bands. This standard epi-fluorescence dichroic beamsplitter is optimized only for broadband light sources such as LEDs and metal halide lamps.

Part Number	Size	Price[1]	Stock Status
FF605-Di02-25x36	25.2 mm x 35.6 mm x 1.1 mm (unmounted)	$275	In Stock
FF605-Di02-22x29	22.0 mm x 29.0 mm x 1.1 mm (unmounted)	$275	2nd Day Ship
FF605-Di02-32x44-FX	32 x 44 x 1.1 mm (corners cut for OFX cube) (unmounted)	$432	In Stock

Don't see a size you need? Contact us for custom sizing – delivery confirmed ARO (sizing fee applies).

1) US domestic pricing only. If you are ordering from outside the US, please contact your nearest regional distributor for the correct list price.

Optical Specifications

Specification	Value
Reflection Band 1	R_{avg} > 98% 350 – 596 nm
Reflection Band 2	R_{avg} > 98% 576 – 596 nm
Edge Wavelength 1	605 nm
Transmission Band 1	T_{avg} > 93% 612 – 950 nm
Transmission Band 2	T_{avg} > 93% 612 – 725 nm

General Filter Specifications

Specification	Value
Angle of Incidence	45 ± 1.5 degrees
Cone Half-angle	2 degrees
Optical Damage Rating	Testing has proven to show no signs of degradation when exposed to at least 6.0 W of power from an unfiltered xenon arc lamp over a 25 mm diameter (corresponding to 1.2 W/cm²) for over 500 hrs.
Steepness	Standard
Filter Effective Index	1.75 Understanding 'Effective Index of Refraction' n_{eff}
Flatness / RWE Classification	Standard Epi-fluorescence
Reflected Wavefront Error	>> 6λ P-V RWE @ 632.8 nm

Physical Filter Specifications (applies to standard sized parts; contact us regarding other sizes)

Specification	Value
Transverse Dimensions (L x W)	25.2 mm x 35.6 mm
Transverse Tolerance	± 0.1 mm

Transverse Tolerance	± 0.1 mm
Filter Thickness (unmounted)	1.05 mm
Filter Thickness Tolerance (unmounted)	± 0.05 mm
Clear Aperture	≥ 80%
Scratch-Dig	60-40
Substrate Thickness (unmounted)	1.05 mm
Substrate Thickness Tolerance (unmounted)	± 0.05 mm
Orientation	Reflective surface marked with part number - Orient in direction of incoming light