

IRIDIAN'S IMAGING COLOR FILTERS



IRIDIAN SPECTRAL TECHNOLOGIES

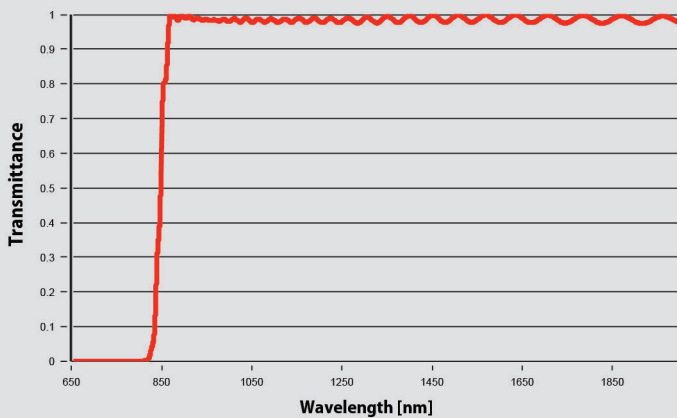
Iridian Spectral Technologies Ltd designs and manufactures a range of dielectric optical filters for machine vision and imaging applications. Iridian's Imaging Filters pass specific UV, visible, or IR wavelengths while providing superior blocking of unwanted light. These filters with greater durability for longer lifetimes can be used to improve image contrast and isolate spectral regions and colors.

Color Filters:

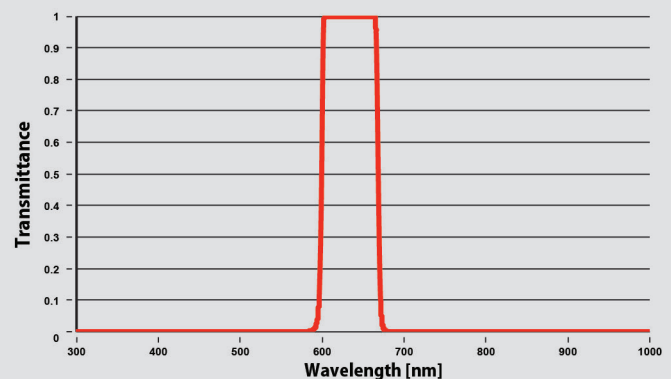
Iridian's superior color filters provide:

- Steep edges (cut-offs down to 40 cm⁻¹)
- High transmission (> 94%) and high blocking (> OD3)
- Optimized for use with various LED sources
- Various threaded mount size available M25.5 – M62.0
- Other color wavelengths and bandwidths available

850 nm Long Pass Edge Filter



634 nm Color BPF Filter



IRIDIAN THE LEADER IN OPTICAL FILTER SOLUTIONS

SPECTRAL TECHNOLOGIES

Iridian Spectral Technologies Ltd. 2700 Swansea Crescent, Ottawa, ON K1G 6R8

Tel: 613-741-4513 | Fax: 613-741-9986 | E-mail: inquiries@iridian.ca | www.iridian.ca

Light Red 634 nm Color Filter:

SPECIFICATIONS

Part Number	CSS000002
CWL (nm)	634
FWHM (nm)	70
Color	Light Red
Outer Diameter (mm)	27.5
Clear Aperture CA (mm)	21.5
Filter Thread	M25.5x0.5
Transmission (%)	94
Blocking Wavelength Range (nm)	200-1050
OD = 3.0 @	200-550
OD = 4.0 @	700-1050
Substrate Thickness (mm)	1.75 ±0.10

* Other Threaded ring sizes available on request: M30.5x0.5, M40.5x0.5, M43.0x0.75, M62.0x0.75

Green 524 nm Color Filter:

SPECIFICATIONS

Part Number	CSS000004
CWL (nm)	524
FWHM (nm)	92
Color	Green
Outer Diameter (mm)	27.5
Clear Aperture CA (mm)	21.5
Filter Thread	M25.5 X 0.5
Transmission (%)	94
Blocking Wavelength Range (nm)	200-1050
OD = 3.0 @	200-450
OD = 4.0 @	600-1050
Substrate Thickness (mm)	1.75 ±0.10

* Other Threaded ring sizes available on request: M30.5x0.5, M40.5x0.5, M43.0x0.75, M62.0x0.75

Blue 470 nm Color Filter:

SPECIFICATIONS

Part Number	CSS000006
CWL (nm)	470
FWHM (nm)	85
Color	Blue
Outer Diameter (mm)	27.5
Clear Aperture CA (mm)	21.5
Filter Thread	M25.5 x 0.5
Transmission (%)	94
Blocking Wavelength Range (nm)	200-1200
OD = 3.0 @	200-400
OD = 4.0 @	550-1200
Substrate Thickness (mm)	1.75 ±0.10

* Other Threaded ring sizes available on request: M30.5x0.5, M40.5x0.5, M43.0x0.75, M62.0x0.75

850 nm Long Pass Edge Filter

SPECIFICATIONS

Part Number	CSS000003
Filter Thread	M25.2 x 0.5
CutOn Wavelength (nm)	850
Transmission Wavelength (nm)	880-2000
Rejection Wavelength (nm)	635-805
Outer Diameter (mm)	27.5
Clear Aperture CA (mm)	21.5
Surface Quality	40-20
Optical Density OD	2
Substrate	Fused Silica
Transmission (%)	> 85
Substrate Thickness (mm)	1.75 ±0.10

* Other Threaded ring sizes available on request: M30.5x0.5, M40.5x0.5, M43.0x0.75, M62.0x0.75



Iridian Spectral Technologies Ltd (Iridian) is a diversified optical filter manufacturer that is an international leader in filter design and manufacture especially for application in the fields of fiber optic communications, optical spectroscopy, 3D entertainment, and in aerospace. Iridian is a global supplier with distributors in many countries.



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