SPECTRA CAPSULE

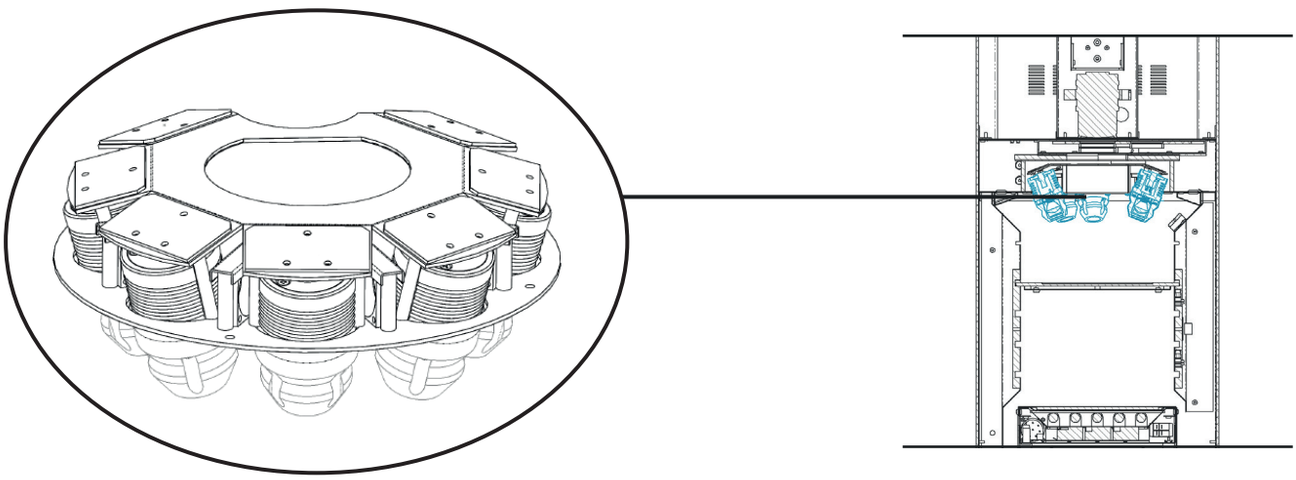
MULTISPECTRAL IMAGING

PULSE LIGHT

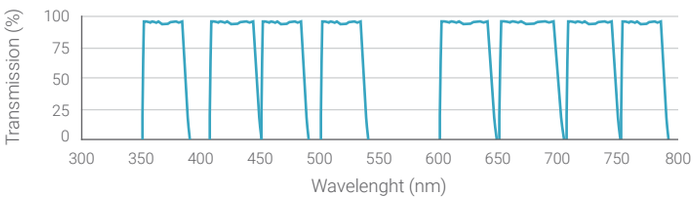
LASER CLASS II

NARROW BANDPASS FILTERS

The Spectra Light Capsules are powerful fluorescence exciters with focused light for uniform illumination and enhanced power. Equipped with primary and secondary optics, the Light Capsules are categorized as Laser Class II due to their intense power.

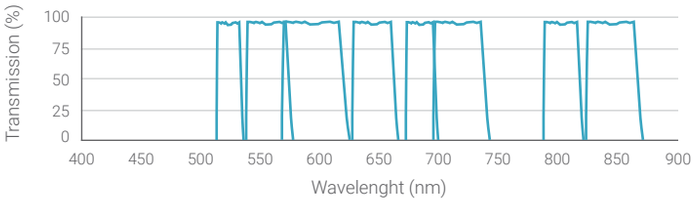


Exciter Capsules



Chip material : AlGaInP, InGaN or AlGaAs
Filter blocking index: O.D. 5.5
Laser Class II

Emission Filters



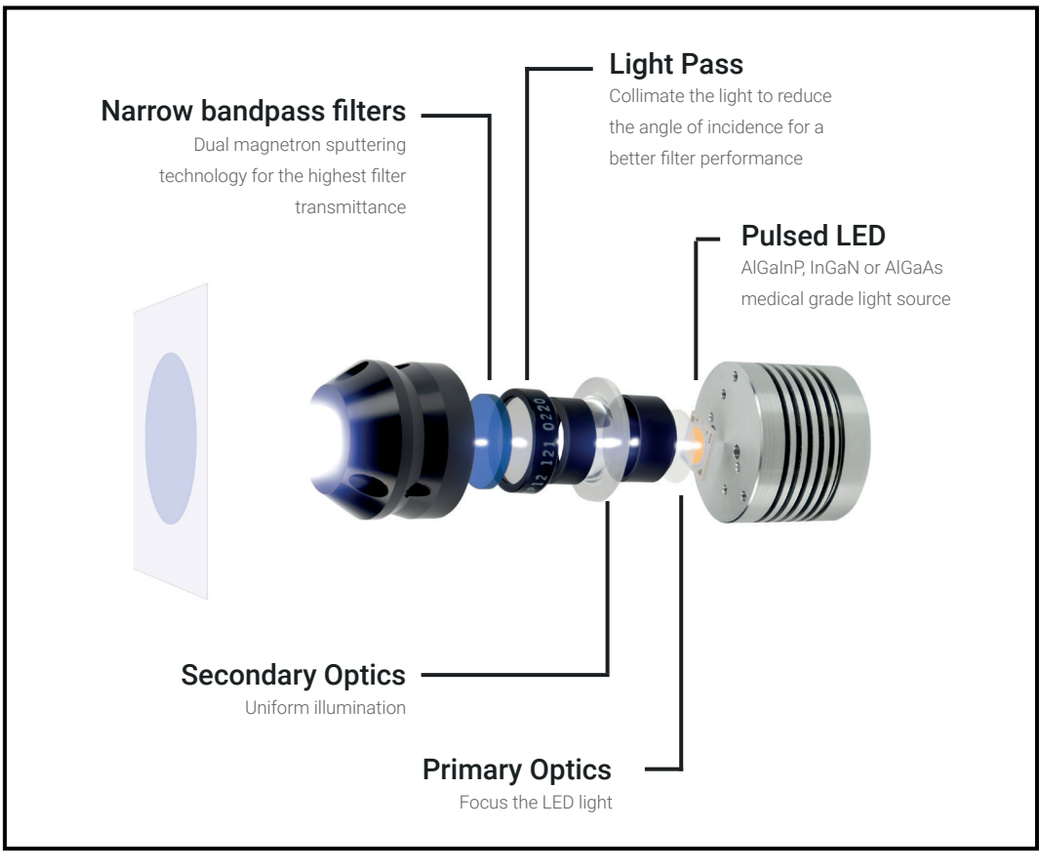
Focal disk for enhanced
signal to noise ratio.
Sputtered magnetron technology.
Hard coated.

Achieve the desired narrow spectral bandwidth by selecting from our set of Capsules or by customizing your own light spectrum.

Optimum Results - Primary and Secondary Optics Increase Sensitivity and Homogeneity.

The LED Light Capsules for quantitative fluorescence

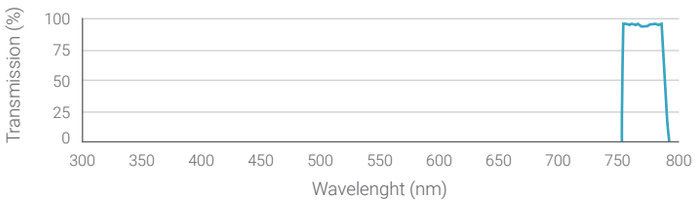
Benefit from an excellent signal-background ratio for imaging and detect the lowest protein concentration .Choose from 8 LED Light Capsules to cover the complete standard spectrum from UV to infra-red. Each Capsule produces a monochromatic light of a different wavelength with a very narrow-band illumination. This reduces the cross-stimulation and increases the sensitivity of your images. From 400 to 700nm, custom design your own Light Capsule to get closer from the spectrum of your dye.



The Spectra Light Capsules offers proven reliability and superior performance.

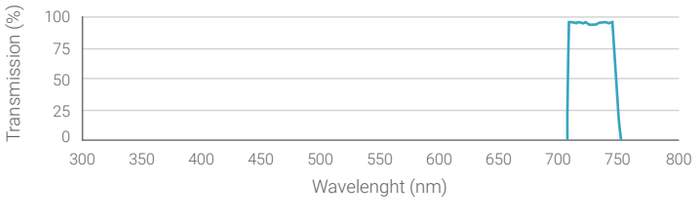
CAPSULE OF LIGHT SPECTRUM

780nm



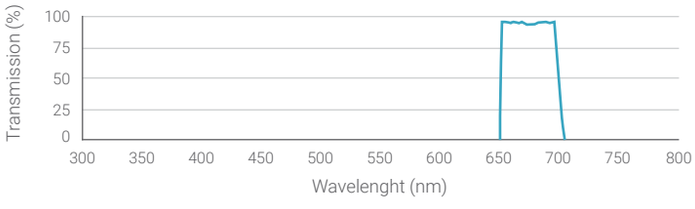
Peak wavelength : 780nm
Chip material : AlGaAs
Blocking index: O.D. 5.5
Laser Class II

740nm



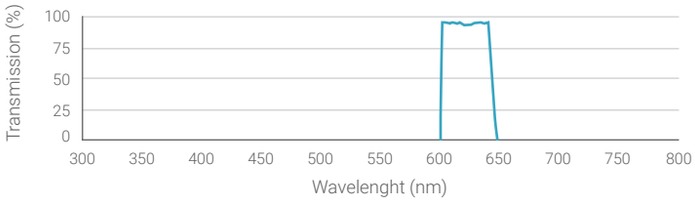
Peak wavelength : 740nm
Chip material : AlGaAs
Blocking index: O.D. 5.5
Laser Class II

680nm



Peak wavelength : 680nm
Chip material : AlGaInP
Blocking index: O.D. 5.5
Laser Class II

640nm



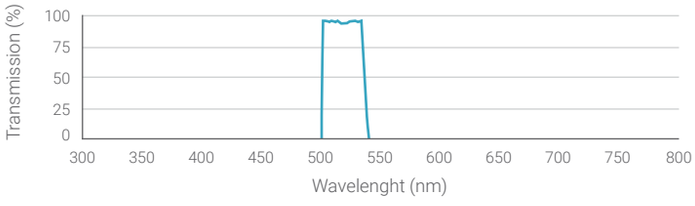
Peak wavelength : 640nm
Chip material : AlGaInP
Blocking index: O.D. 5.5
Laser Class II

Spectrum and peak values may differ slightly from the typical values and spectrum above.

Our standard range of 8 Light Capsules allow you a wide variety of possible applications in the UV, the visible and the IR ranges.

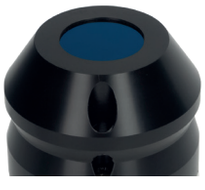
CAPSULE OF LIGHT SPECTRUM

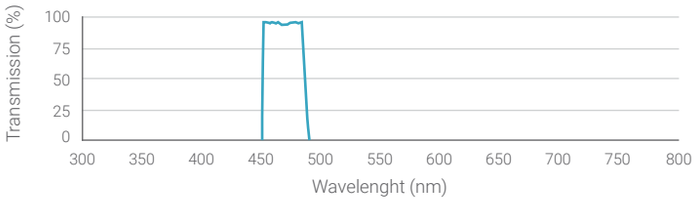
530nm



Peak wavelength : 530nm
Chip material : AlGaInP
Blocking index: O.D. 5.5
Laser Class II

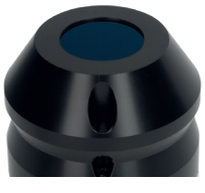
480nm

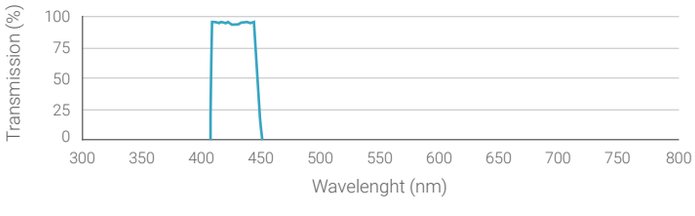




Peak wavelength : 480nm
Chip material : AlGaInP
Blocking index: O.D. 5.5
Laser Class II

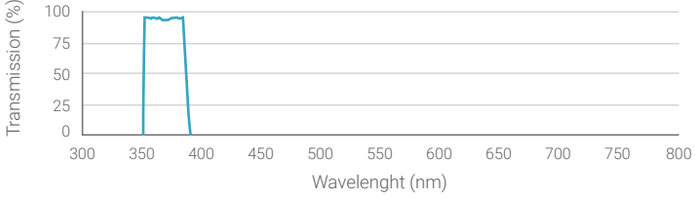
440nm





Peak wavelength : 440nm
Chip material : AlGaInP
Blocking index: O.D. 5.5
Laser Class II

365nm



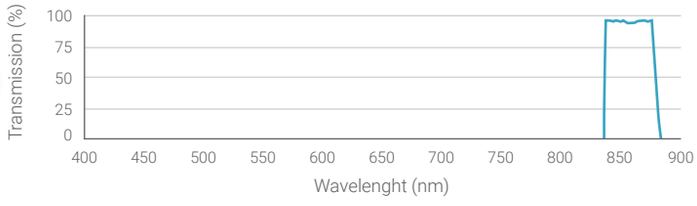
Peak wavelength : 365nm
Chip material : InGaN
Blocking index: O.D. 5.5
Laser Class II

Spectrum and peak values may differ slightly from the typical values and spectrum above.

Our filter combines the most sophisticated ion-beam-sputtering deposition systems, with our proprietary aperture disk for enhanced signal to noise ratio.

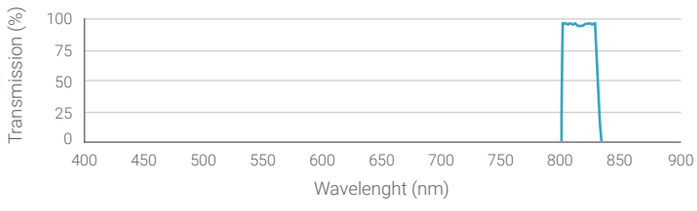
EMISSION FILTER SPECTRUM

F-850



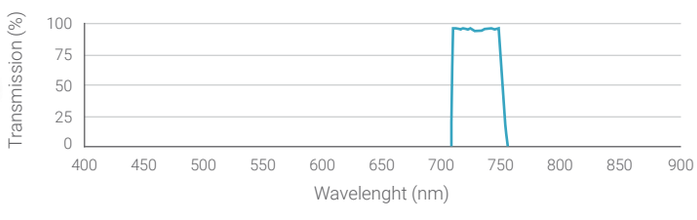
Typical Range: 830-870nm
Sputtered magnetron technology.
Hard coated.

F-800



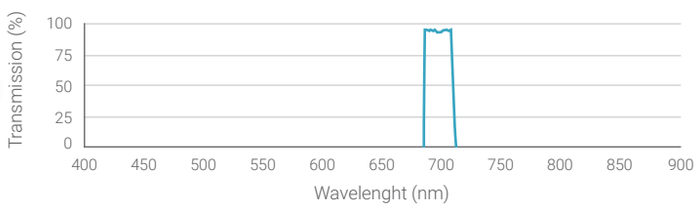
Typical Range: 800-840nm
Sputtered magnetron technology.
Hard coated.

F-750



Typical Range: 710-760nm
Sputtered magnetron technology.
Hard coated.

F-700



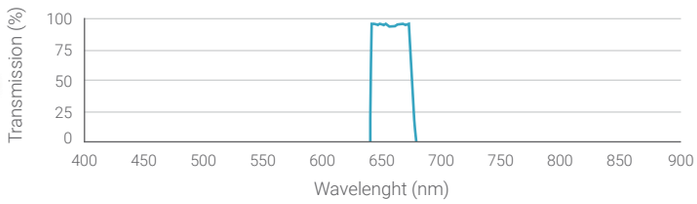
Typical Range: 690-720nm
Sputtered magnetron technology.
Hard coated.

Spectrum and peak values may differ slightly from the typical values and spectrum above.

Steeper edges, precise wavelength accuracy, and carefully optimized blocking mean better contrast and faster measurements.

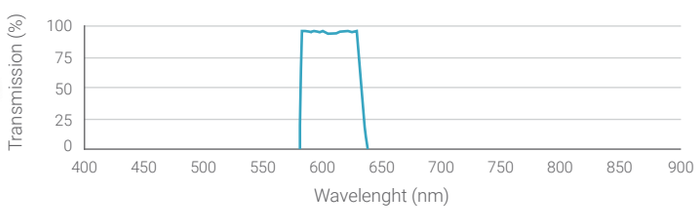
EMISSION FILTER SPECTRUM

F-650



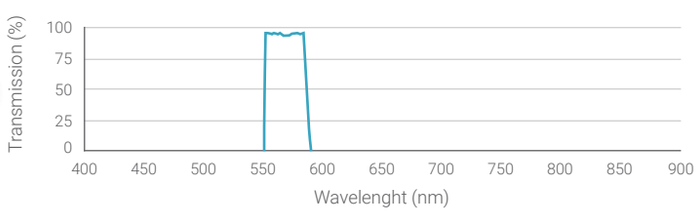
Typical Range: 640-670nm
Sputtered magnetron technology.
Hard coated.

F-600



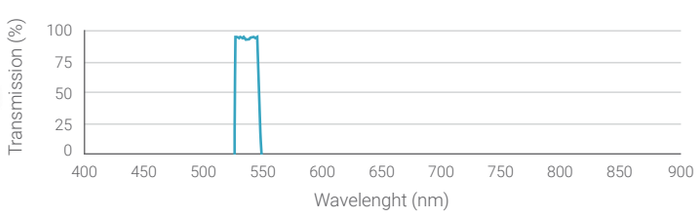
Typical Range: 580-640nm
Sputtered magnetron technology.
Hard coated.

F-550



Typical Range: 550-580nm
Sputtered magnetron technology.
Hard coated.

F-500



Typical Range: 530-550nm
Sputtered magnetron technology.
Hard coated.

Spectrum and peak values may differ slightly from the typical values and spectrum above.

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