

# SPECTRA CAPSULE



MULTISPECTRAL IMAGING



PULSE LIGHT

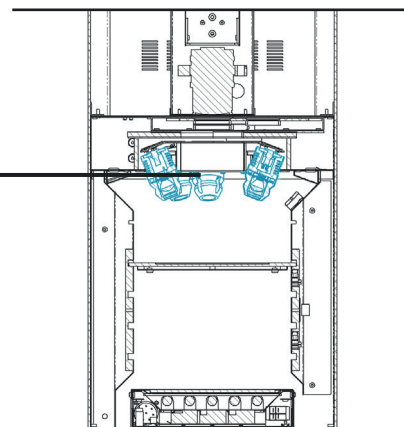
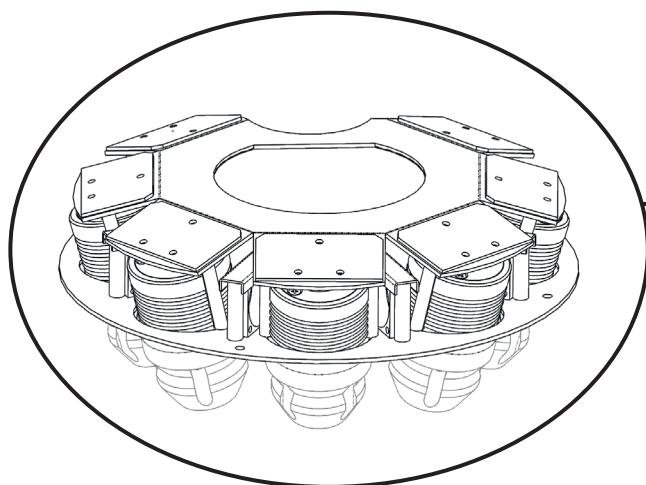


LASER CLASS II

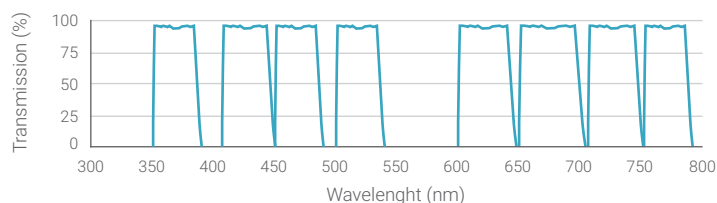


NARROW BANDPASS FILTERS

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.

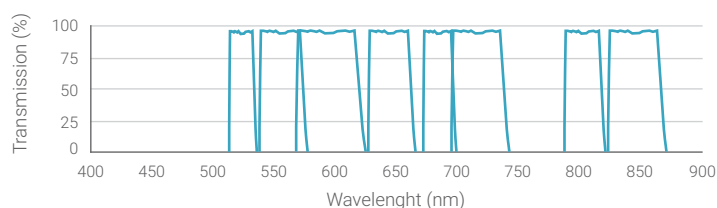


## Exciter Capsules



Chip material : AlGaInP, InGaIn 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.

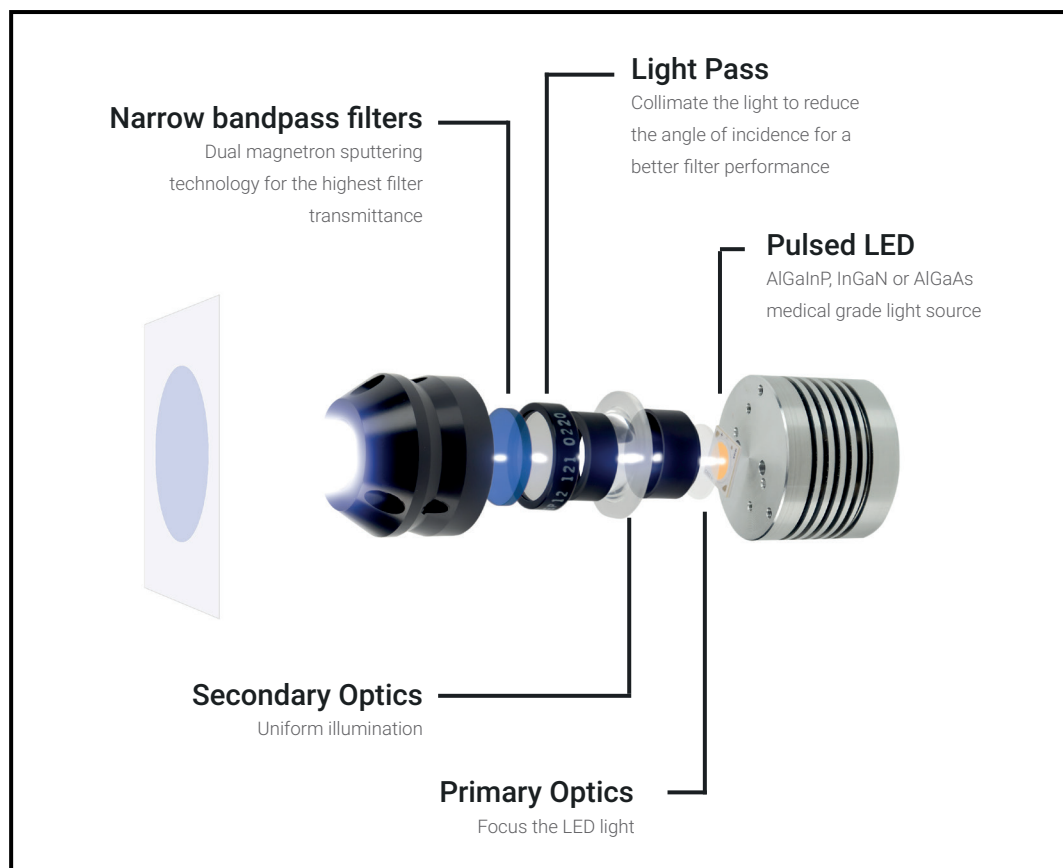
## The LED Light Capsules for quantitative fluorescence

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.

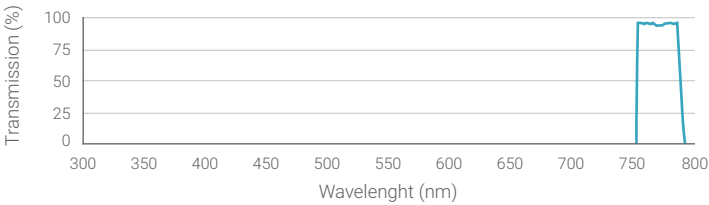
From 400 to 700nm, custom design your own Light Capsule to get closer from the spectrum of your dye.



The Spectra Light Capsules offers proven reliability and superior performance.

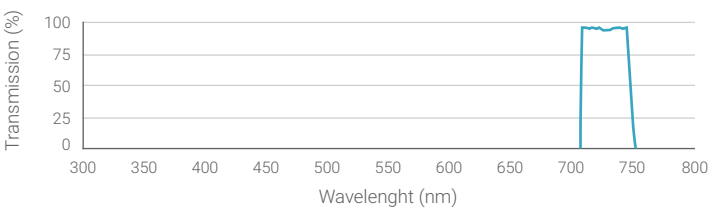
# CAPSULE OF LIGHT SPECTRUM

**780nm**



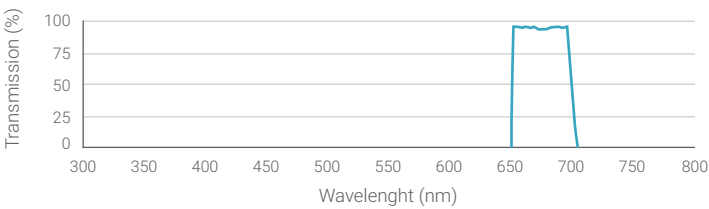
Peak wavelength : 780nm  
Chip material : AlGaAs  
Blocking index: O.D. 5.5  
Laser Class II

**740nm**



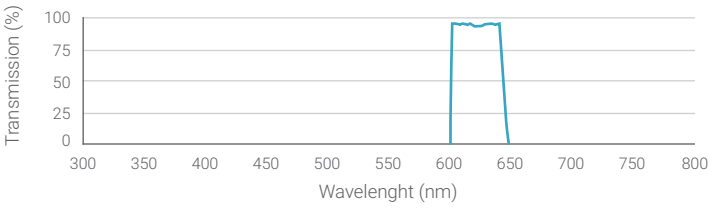
Peak wavelength : 740nm  
Chip material : AlGaAs  
Blocking index: O.D. 5.5  
Laser Class II

**680nm**



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

**640nm**



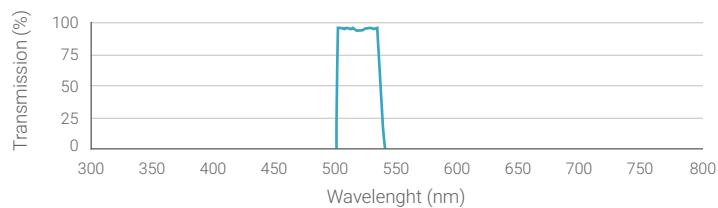
Peak wavelength : 640nm  
Chip material : AlGaInP  
Blocking index: O.D. 5.5  
Laser Class II

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.

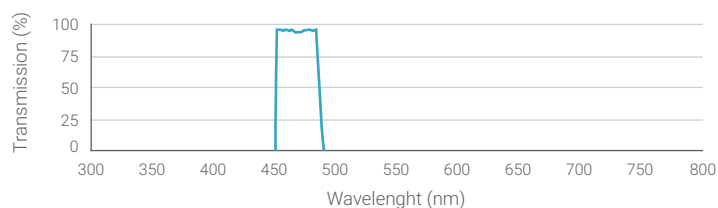
## CAPSULE OF LIGHT SPECTRUM

**530nm**



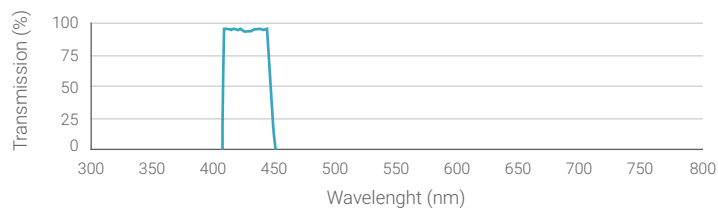
Peak wavelength : 530nm  
Chip material : AlGaInP  
Blocking index: O.D. 5.5  
Laser Class II

**480nm**



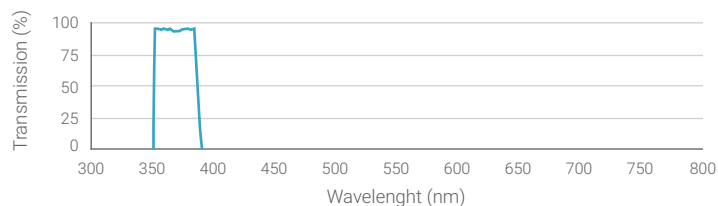
Peak wavelength : 480nm  
Chip material : AlGaInP  
Blocking index: O.D. 5.5  
Laser Class II

**440nm**



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

**365nm**



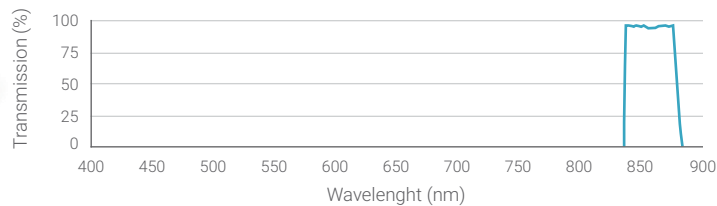
Peak wavelength : 365nm  
Chip material : InGaN  
Blocking index: O.D. 5.5  
Laser Class II

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.

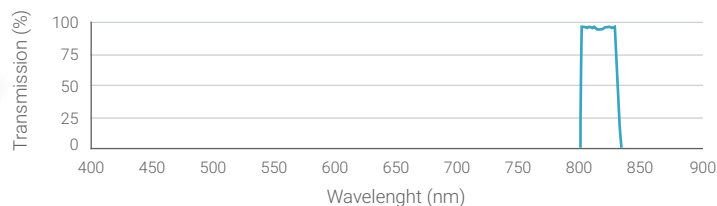
## EMISSION FILTER SPECTRUM

**850nm**



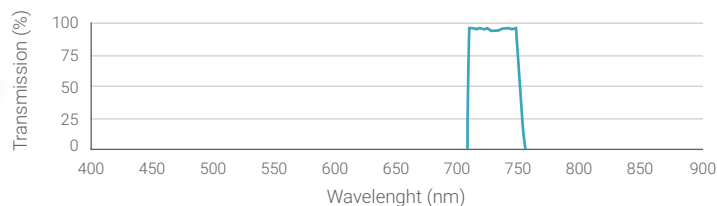
Typical Range: 830-870nm  
Sputtered magnetron technology.  
Hard coated.

**820nm**



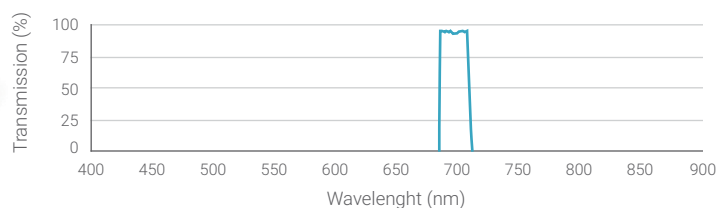
Typical Range: 800-840nm  
Sputtered magnetron technology.  
Hard coated.

**750nm**



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

**710nm**



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

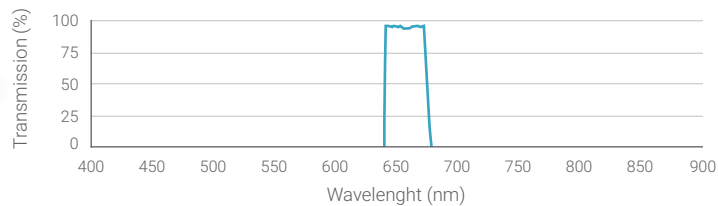
Spectrum and peak values may differ slightly from the typical values and spectrum above.



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

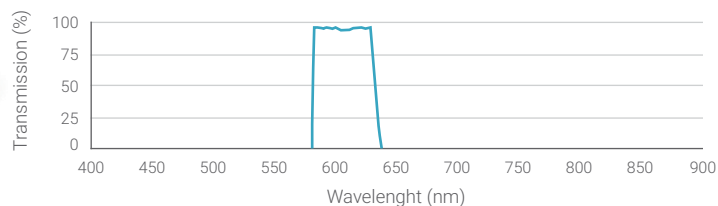
## EMISSION FILTER SPECTRUM

**655nm**



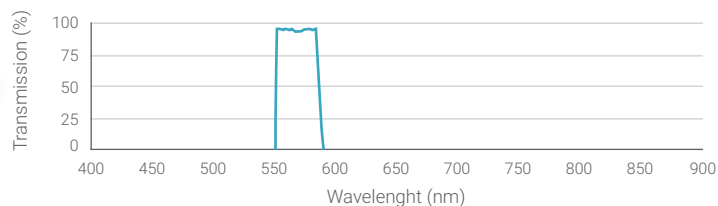
Typical Range: 640-670nm  
Sputtered magnetron technology.  
Hard coated.

**595nm**



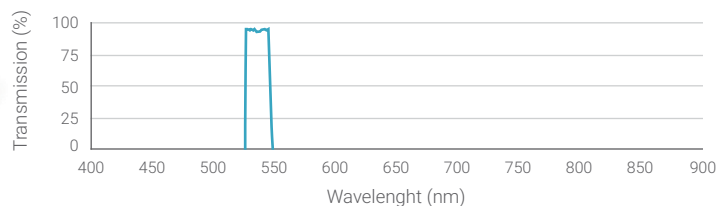
Typical Range: 580-640nm  
Sputtered magnetron technology.  
Hard coated.

**565nm**



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

**535nm**



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

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