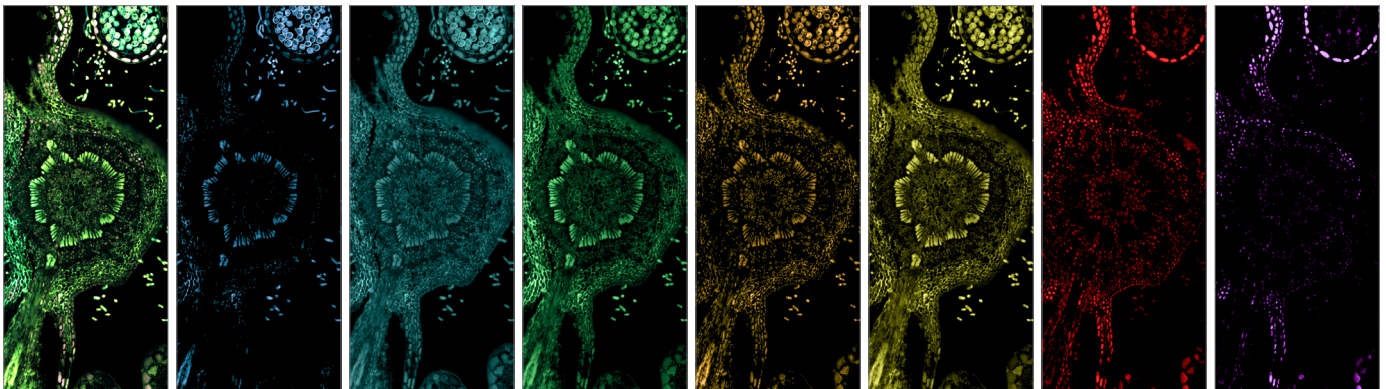


# Flexible, gentle and efficient LED illumination

## ZEISS Colibri Family

Fluorescence microscopy calls for a light source that produces just the right wavelength and enough intensity to excite the fluorescent dyes and proteins in your samples. That way, fluorescence imaging cross-stimulation is reduced while the contrast and SNR of your images are increased. Bleaching of your samples is minimized, through no more unwanted UV or IR leakage. LEDs consume less energy than conventional light sources and do so over extremely long lifetimes.

With LED driven technology, the downtime for lamp exchanges and the energy usage is dramatically reduced. Additionally, the saving of energy has an impact on the green house gas emission factor for your laboratory.



### Highlights

#### Flexible

Benefit from up to seven pre-configured excitation wavelengths in five different variants for Colibri 7

#### Consistent

Automatic calibration guarantees reproducible output power level for each line

#### Gentle

Your sample is only exposed to the radiation that is needed to excite the fluorescent label

#### Lower total cost of ownership

Save time and money through long LED lifetime and adjustment-free operation

### Upgrade your ZEISS microscope

Upgrade your ZEISS microscope with Colibri Illumination and benefit from flexibility, increased contrast and ease of use for your fluorescence imaging.

As technical requirements may apply on some systems, please contact us to learn more about Colibri and how your process will benefit from an upgrade:  
[microscopy@zeiss.com](mailto:microscopy@zeiss.com)



Seeing beyond

# ZEISS Colibri Family

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## Comparison of Colibri 5 and Colibri 7

Features	Colibri 5	Colibri 7
Number of excitation lines	Four lines: ■ RGB-UV	Up to seven lines: ■ RGB-UV ■ RYB-UV ■ R[G/Y]B-UV ■ R[G/Y]CBV-UV ■ FR-R[G/Y]BV-UV
Wavelengths	UV: 385nm B: 475nm G: 555nm R: 630nm	UV: 385nm      G: 555nm V: 430nm      Y: 590nm B: 475nm      R: 630nm C: 511nm      FR: 735nm
Excitation filters	Integrated	Integrated and motorized
Control via	TFT of stand ZEN 2.5 Manual control panel	TFT of stand ZEN 2.3 Manual control panel
Availability	<ul style="list-style-type: none"> <li>■ Axio Observer</li> <li>■ Axiovert 200</li> <li>■ Axio Imager</li> <li>■ Axio Scope.A1</li> <li>■ Axioskop 40</li> <li>■ Axioplan 2</li> </ul>	<ul style="list-style-type: none"> <li>■ Axioskop 2</li> <li>■ Axio Examiner</li> <li>■ Axioskop 2 FS</li> <li>■ Axio Vert.A1</li> <li>■ Axio Scan.Z1</li> </ul>
Stabilization	-	Realtime brightness stabilization; Long-term stabilization and power optimization
Guaranteed lifetime per LED	15.000 h	
Brightness control	Adjustable in 1 % steps, linearized brightness control from 0-100 %	
Power management	Standby mode for reduced power consumption	
TTL trigger interface	Available for easy integration into 3 <sup>rd</sup> party or lab software packages	

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