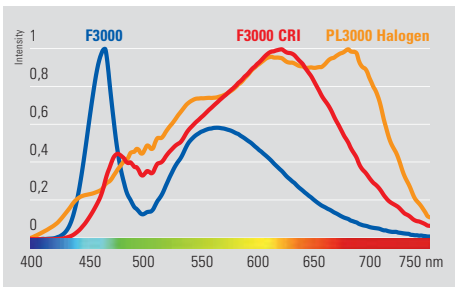




# LED LIGHT SOURCE F3000 CRI

# F3000 CRI: A NEW FIBRE-OPTIC MICRO

**THE NEW PHOTONIC LED LIGHT SOURCE F3000 CRI** has been developed for routine and high-end microscopy applications. It is compatible with all fibre-optic light guides of the Photonic series, and its light quality and brightness are comparable to a Photonic PL3000 150 W halogen light source.



Spectra (normalised): F3000 LED, F3000 CRI LED, PL3000 halogen light source

The strong points of the new F3000 CRI are its top-rate light quality, with a colour rendering index >90, and a colour temperature of 3200 K. This makes it the perfect solution for applications that require greater red portions, and for which halogen light sources with slightly lower maximum brightness have thus been preferred so far. The robust metal housing is designed for stable operation with goose-neck light guides and stacking stability.



# SCOPY LED LIGHT SOURCE

## PRODUCT BENEFITS

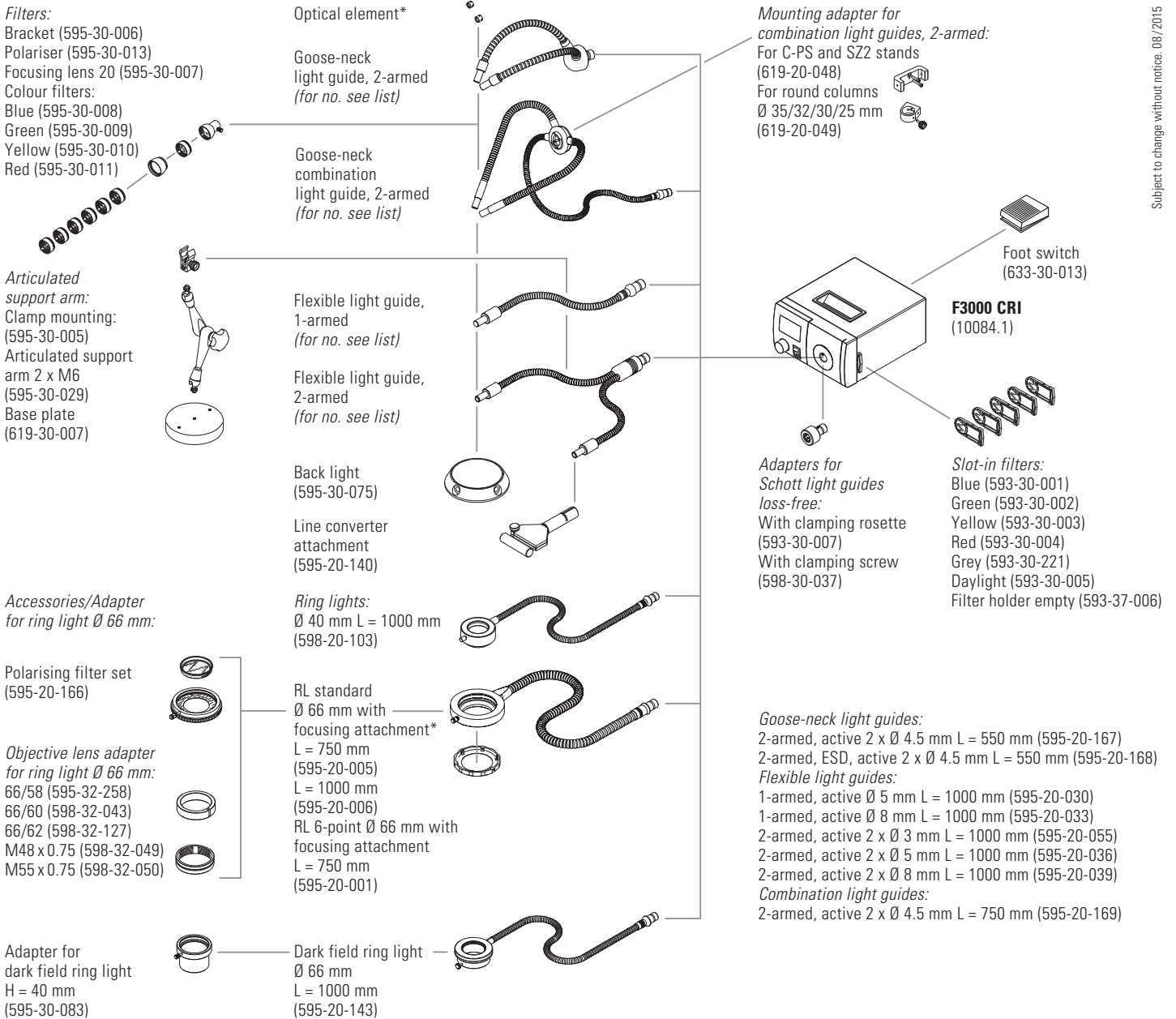
- ▶ Spectrum and brightness comparable to a Photonic PL3000 150 W light source
- ▶ Extended service life of approx. 25 000 h (70% of the output brightness), no lamp replacement required (no servicing costs, no storage costs for spare lamps)
- ▶ 70% energy savings
- ▶ Colour temperature: 3 200 K (can be adjusted in direction of daylight using filter)
- ▶ Electronic shutter function
- ▶ Infinitely adjustable brightness control
- ▶ Robust, stable metallic housing
- ▶ Vertical positioning possible, stackable
- ▶ Quiet fan
- ▶ Device can be controlled via USB and foot switch
- ▶ Automatic shutdown of LEDs when light guide is removed
- ▶ Full range of light guides available (flexible and goose-neck light guides, focusable ring lights, back lights)



## TECHNICAL DATA

<b>LED F3000 CRI</b>	
	<i>(10084.1, incl. USB cable, 100–240 V power supply, w/o power cord)</i>
Lamp	Hi-Power LED
Brightness	Approx. 340 lm for fibre Ø 8 x 1 000 mm
Colour temperature	Approx. 3 200 K, colour rendering index > 90
Maximum fibre diameter	9 mm
Service life L70	Approx. 25 000 h (70% output brightness)
Cooling	Axial fan
Power supply	12 V DC, 5 420 mA
Power input	65 W
Ambient conditions	10–40 °C, max. 80% relative humidity
Light guide connection	Ø 15 mm
Rear connections	USB for control via PC, 2.5 mm jack for foot switch, ESD socket, DC socket
Display	Graphic interface for operating status and comprehensive menu functions
Approval (CE mark)	EMC Directive 2004/108/EC
Dimensions (W x H x D)	Approx. 170 x 98 x 196 mm, without projecting parts
Weight	Approx. 3.8 kg

# THE COMPREHENSIVE SYSTEM



\* Included in standard scope of delivery



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