



LED LIGHT SOURCE F3000

F3000: NEW FIBRE OPTIC MICROSCOPY LED

THE ADVANTAGES of fibre optic illumination can be found in the generation of maximum illumination density for small areas and the compact construction of the light guide. For magnifications over 40x and the associated minute object fields of only a few millimetres, only fibre optic spot lighting can provide sufficient brightness for examining dark coloured, light absorbing objects.



The new Photonic LED light source F3000 has been developed for routine and high end microscopy applications. It is compatible with all fibre optic light guides in the Photonic range and outperforms a 150W halogen light source in terms of luminosity. The robust metal housing is designed for stable operation with gooseneck light guides and stacking stability.



LED LIGHT SOURCE

PRODUCT BENEFITS

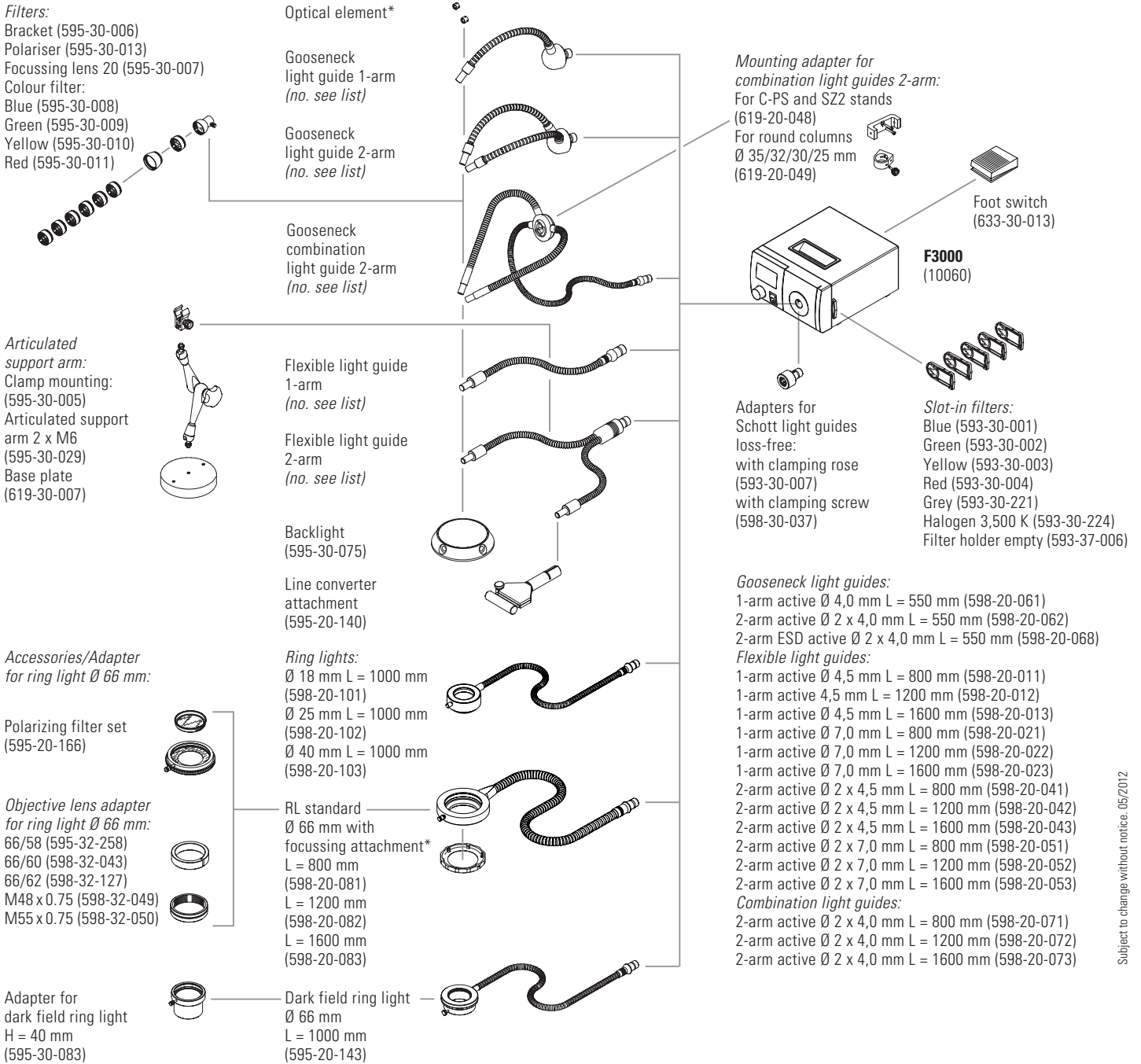
- ▶ Brighter than a 150 W halogen light source
- ▶ Extended service life of approx. 30,000 h (70% of the output brightness), no lamp replacement required (no servicing costs, no storage costs for spare lamps)
- ▶ 70% energy savings
- ▶ Color temperature: 5,800 K (can be adjusted in direction of halogen light using filter)
- ▶ Electronic shutter function
- ▶ Continuously variable luminance control
- ▶ LCD display
- ▶ All settings (luminance, shutter/strobe parameters) easily configurable
- ▶ Robust, stable metallic housing
- ▶ Stable positioning with gooseneck arms light guides
- ▶ Vertical positioning possible, stackable
- ▶ Quiet fan
- ▶ The device can be controlled via USB and foot switch
- ▶ Automatic shutdown of LEDs when light guide removed
- ▶ Complete light guide range available (flexible and gooseneck light guides, focussable ringlights, backlights)
- ▶ Global use through wide-range power pack with international clip system



TECHNICAL DATA

| LED F3000 | (10060, incl. power supply and USB cable) |
|--------------------------|--|
| Lamps | Hi-Power LEDs |
| Luminance | approx. 640 lm for fibre Ø 8 x 1000 mm |
| Color temperature | approx. 5,800 K |
| Maximum fibre diameter | 9 mm |
| Service life approx. L70 | approx. 30,000 h (70% output luminance) |
| Cooling | axial fan |
| Supply | 12V DC, 5420 mA |
| Power input | 65 Watt |
| Ambient environment | 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 | Graphics display for operating status and comprehensive menu functions |
| Approval (CE) | EMC Directive 2004/108/EEC |
| Dimensions (B x D x H) | approx. 170 x 196 x 98 mm without projecting parts |
| Weight | approx. 3.8 kg |

THE COMPREHENSIVE SYSTEM



* Included in standard scope of delivery

Subject to change without notice. 05/2012



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