



## F5000 LED LIGHT SOURCE

ryf ag



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# F5000: FIBRE-OPTIC LED LIGHT SOURCE FOR INDUSTRIAL ENDOSCOPY

The newest generation of Photonic's LED light sources combines proven quality and innovative technologies, in a unique product specifically designed for industrial endoscopy.

The **F5000 light source** stands for maximum service life, easy operation, as well as low power consumption and efficient cooling. As to brightness, F5000 is comparable to a 180 W xenon light source. Maximum light output is ensured by optimised coupling with the endoscope. Adapters are available for all standard endoscope light guides.

## THE STRONG POINTS OF LED F5000

- ▶ Light output comparable to a 180 W xenon light source.
- ▶ LED technology ensures efficiency and long service life as well as highly economical operation.
- ▶ No lamp replacement.
- ▶ Colour temperature: 6 200 K (+/- 5%, neutral white).
- ▶ Low-noise fan.
- ▶ Electronic shutter function.
- ▶ Infinitely variable brightness control.
- ▶ An LCD display showing all parameters (brightness, shutter/strobe parameters) permits easy configuration.
- ▶ Robust, stable metal housing, stackable.
- ▶ Control via USB and foot switch.
- ▶ Available for individual operation and as a module for OEM use.
- ▶ Wide-range power supply for worldwide use.



SETTINGS	STROBE	SYSTEM
PRESET 3: 2%	LEVEL: 100%	USB MODE: AUTO
PRESET 4: 5%	PULSE: 50.0 MS	STEP SIZE: 1%
PRESET 5: 20%	RATE: 4.0 HZ	FOOTSW.: TOGGLE+DIM

## TECHNICAL DATA

LED F5000	(10070, incl. power supply and USB cable)
Lamp	Hi-Power LEDs
Brightness	Approx. 900 lm for fused fibre Ø 5 x 1000 mm
Colour temperature	6 200 K (+/- 5%)
Maximum fibre diameter	5 mm
Cooling	Low-noise axial fan, temperature-controlled
Power supply	12 V DC, 8 500 mA
Power input	120 W
Ambient conditions	10–40 °C, max. 80% relative humidity
Light guide connection	Photonic (Volpi) Ø 15 mm, or customised
Rear connections	USB for computer control, 2.5 mm jack for foot switch, ESD socket, DC socket
Display	Graphic interface for operating status and numerous menu functions
Approval (CE mark)	EMC Directive 2004/108/EC
Dimensions (W x D x H)	Approx. 170 x 205 x 98 mm without projecting parts
Weight	Approx. 3.8 kg
Accessories	Adapters for light guides (Storz 633-30-104, ACMI 633-30-103, Olympus 633-30-102, Schott 633-30-105)

Subject to change, updates or corrections without notice. 01/2013

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