# **FLEXI**LUX **4000**
## LED light source



High durability and the low maintenance make LEDs to the next generation technology even in endoscopy. The FLEXILUX 4000 LED is equipped with this technology.

Due to the low power consumption of LEDs the FLEXILUX 4000 LED is extremely economical in operation and still much brighter than a conventional 150 W halogen light source. The long lifetime of LEDs avoid time-consuming and expensive bulb exchanges.

By the use of color filters and therefore the adaption of the color temperature, the light can be adjusted to the individual requirements of the application area. Brightness and other operating parameters are shown on the integrated display.

Because of the technical and physical characteristics, the FLEXILUX 4000 LED is versatile and allows the use also in confined spaces. The robust and impact-resistant housing is optimized for the use in an industrial environment. Due to the low heat generation there is no thermal load of the fiberoptics and the environment; the use in a laboratory environment is possible.

## KEY FEATURES

- 20 % more light requires over 50 % less consumption of electricity compared to standard 150 W halogen light sources
- The light is neutral white for an optimal color rendering
- Low-maintenance: no time-consuming and expensive bulb exchanges necessary
- Due to its technical and physical characteristics the light source has a wide range of scopes
- Luminance and other operating parameters are shown on the display

You do not find the best product for your application? A lot of customized solutions can be realized individually through small adjustments of our standard products.
**Use our consultancy! Call: +49 (0) 76 66 / 908-0**

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## TECHNICAL DATA

| DESCRIPTION | ITEM NUMBER |
|---|---|
| LED light source FLEXILUX 4000 LED | FX.4000.LED |

### **FLEXI**LUX **4000 LED**

| | |
|---|---|
| Operation control panel | ON/OFF, LED brightness control |
| Outputs | 1 x USB, 1 x Jack 2.5 mm, 1 x ESD |
| Nominal output | 65 Watt |
| Lamps | High Power LEDs |
| Color temperature | approx. 5,800 Kelvin |
| Luminance | approx. 470 lm for fiber Ø 5 x 1,000 mm<br>approx. 640 lm for fiber Ø 8 x 1,000 mm |
| Lamp life | 30,000 h (70 % output luminance) |
| Power connection | 100 - 240 V, 12 V DC, 5,420 mA |
| System | Electromagnetic compatibility: 2004/108/EC, classifikation: CE |
| Dimension | 170 x 98 x 196 mm (B x H x T) without projecting parts |
| Weight | 2.1 kg |

Foot switch is available on request.

| COLOR FILTER FOR **FLEXI**LUX **4000 LED** | | ITEM NUMBER |
|---|---|---|
|  | red, yellow, green, blue | FXS.FS1 |
|  | red | FXS.FF.rot |
|  | yellow | FXS.FF.gelb |
|  | green | FXS.FF.grün |
|  | blue | FXS.FF.blau |

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**VISUAL INSPECTION**