

More Precision

Eltrotec // Industrial Endoscopes



High Performance LED Light Source Eltrotec Endolight FOT LED

- Robust, long-life and energy-efficient light source
- Quiet fan
- Brightness is continuously adjustable, selected setting is retained after a restart
- Automatic LED switch-off when fiber optics is removed
- Different filters available
- Electronic shutter feature
- Easily configurable settings (brightness, shutter/strobe parameters)
- Control via USB and foot switch

| Model | ELTROTEC Endolight FOT LED 3000 | ELTROTEC Endolight FOT LED 5100 | |
|-------------------------------|---|--|--|
| Part number | 20912166 | 20912342 | |
| Light source | high-power LED (white) | | |
| Light power | max. 65 W | max. 100 W | |
| Brightness | approx. 640 lm with fiber Ø 8x1000 mm | approx. 1200 lm with fiber Ø 8x1000 mm | |
| Color temperature | 5,800 K ± 5 % | 6,500 K ± 5 % | |
| Service life | up to max. 30,000 h* | | |
| Brightness control | continuously up to 0 - 100 % | | |
| Cooling | axial fan | | |
| Display | LCD graphics display for operating display and menu functions | | |
| Fiber optics adapter Ø | 15 mm | | |
| Interface | USB port for control from PC; ESD/DC socket, mono jack 2.5 mm for foot switch | | |
| Dimensions (W x D x H) | 170 x 205 x 98 mm | | |
| Housing | robust metal housing; vertical positioning is possible, stackable | | |
| Weight | approx. 3800 g (without power supply unit) | | |
| Power supply | 100 - 240 V / 50/60 Hz | | |
| Power supply | 12 VDC, 5420 mA | 12 VDC, 4100 mA | |
| Operating temperature | 10 °C to 40 °C, max. 80% relative humidity, max. 2000 m (MASL) | | |
| Storage temperature | -25 °C up to 70 °C, max. 80% relative humidity (non-condensing) | | |
| Protection class | 2 | | |
| Conformity | CE (EMC Directive 2004/108/EC), RoHS | | |
| *70% of the output brightness | ; | | |

ELTROTEC Endolight FOT LED without Fan

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- Continuous brightness adjustment
- No fan (no vibrations, stability)
- Suitable for heavily polluted air (no air turbulences), low noise requirements and applications requiring absence of vibrations
- ESD socket for external accessories

| Model | ELTROTEC Endolight FOT LED without fan | |
|------------------------|--|--|
| Part number | 20912161 | |
| Light source | high-power LED (white) | |
| Light power | 22 W | |
| Brightness | approx. 335 lm | |
| Color temperature | 5,500 K | |
| Service life | up to max. 50,000 h* | |
| Brightness control | continuously variable due to rotary potentiometer | |
| Cooling | fan-less due to convection | |
| Control display | LED | |
| Fiber optics adapter Ø | 15 mm | |
| Interface | none | |
| Dimensions (W x D x H) | 110 x 180 x 96 mm | |
| Housing | robust metal housing | |
| Weight | approx. 2500 g without power supply unit | |
| Power supply | 100 - 240 V / 50/60 Hz | |
| Power supply | 24 VDC ± 5 %, 1000 mA | |
| Operating temperature | 10 °C to 40 °C, max. 80% relative humidity, max. 2000 m (MASL) | |
| Storage temperature | -25 °C to 70 °C, max. 80% relative humidity (non-condensing) | |
| Protection class | 3 | |
| Conformity | CE (EMC Directive 89/336/EEC), RoHS | |



FOT LED without fan

*depending on the ambient temperature, room humidity and the intensity set

Hand Light Sources

- Network-independent operation for mobile applications
- Easily screwed onto the endoscope with ACMI-/Wolf connector

| Model | ELTROTEC LED Hand light source | ELTROTEC SuperNova LED Hand light source |
|---------------------------------------|--|---|
| Part number | 20751761 | 20752271 |
| Light source | LED (white) | LED (white) |
| Brightness | approx. 225 lm | approx. 320 lm |
| Color temperature | 5000 K | 5200 K |
| Service life | up to max. 50,000 h* | up to max. 50,000 h* |
| Brightness control | continuously adjustable with mechanical aperture | continuously adjustable with mechanical aperture |
| Dimensions | 165 x 25 mm (L x Ø) | 150 x 34 mm (L x Ø) |
| Housing | robust metal housing with ribbed handle | |
| Weight | approx. 117 g with batteries | approx. 148 g with Li-ion battery |
| Battery life time | approx. 6 hours (AA batteries) | approx. 2.5 hours |
| Battery charging time | - | approx. 3.5 hours |
| Battery charger Supply voltage | - | 90 - 250 VAC / 50 - 60 Hz |
| Operating temperature | 10 °C to 40 °C, max. 80% relative humidity, max. 2000 m (MASL) | |
| Storage temperature | -15 °C to 60 °C, max. 80 % relative humidity (non-condensing) | |
| Protection class | IPX4 | IPX4 |
| Replacement charging station | - | 20752285 |
| Spare accumulator | | 20752286 |
| *depending on the light intensity set | | |



LED hand-held light source



SuperNova LED hand light source

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Industrial endoscopes, light sources



MICRO-EPSILON Eltrotec GmbH Manfred-Wörner-Str. 101 | 73037 Göppingen | Germany Tel. +49 (0)7161 98872-300 · Fax+49 (0)7161 98872-303 eltrotec@micro-epsilon.de · **www.micro-epsilon.de**