



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



FOT LED 3000 / 5100

ELTROTEC Endolight FOT LED without Fan

- 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

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



FOT LED without fan

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	-	90 - 250 VAC / 50 - 60 Hz
Supply voltage	-	
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

Sensors and Systems from Micro-Epsilon



Sensors and systems for displacement, distance and position



Sensors and measurement devices for non-contact temperature measurement



Measuring and inspection systems for metal strips, plastics and rubber



Optical micrometers and fiber optics, measuring and test amplifiers



Color recognition sensors, LED analyzers and inline color spectrometers



Industrial endoscopes, light sources