



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	ELTROTEC Power LED Hand light source
Part number	20751761	20752271	20752242
Light source	LED (white)	LED (white)	LED (white)
Brightness	approx. 225 lm	approx. 320 lm	approx. 300 lm
Color temperature	5000 K	5200 K	5700 K
Service life	up to max. 50,000 h*	up to max. 50,000 h*	up to max. 35,000 h*
Brightness control	continuously adjustable with mechanical aperture	continuously adjustable with mechanical aperture	continuously adjustable with +/- keys
Dimensions	165 x 25 mm (L x Ø)	150 x 34 mm (L x Ø)	81 x 46 x 24 mm (L x W x H)
Housing	robust metal housing with ribbed handle		robust metal housing
Weight	approx. 117 g with batteries	approx. 148 g with Li-ion battery	approx. 127 g with Li-ion battery
Battery life time	approx. 6 hours (AA batteries)	approx. 2.5 hours	approx. 60 minutes
Battery charging time	-	approx. 3.5 hours	approx. 4 hours
Battery charger	-	90 - 250 VAC / 50 - 60 Hz	100 - 240 V / 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	IPX4
Replacement charging station	-	20752285	20752415
Spare accumulator	-	20752286	20752416

*depending on the light intensity set



LED hand-held light source



SuperNova LED hand light source



Power LED hand light source

Halogen Light Sources

ELTROTEC Endolight FOT Halogen

- Robust & long life
- Exchangeable light source
- Warm white light with continuously high color rendering index

Model	ELTROTEC Endolight FOT Halogen 20 W
Part number	20910382
Light source	Halogen 6 V / 20 W
Light power	20 W
Brightness	approx. 480 lm
Service life Light source	approx. 100 h
Brightness control	fixed
Cooling	ventilation slots
Fiber optics adapter Ø	15 mm with max. fiber Ø 5 mm
Dimensions (W x D x H)	90 x 65 x 150 mm
Housing	robust metal housing
Weight	approx. 1,400 g (without power cord)
Power supply	230 V / 50/60 Hz
Power cord	incl. length of 1,500 mm
Operating temperature	10 °C to 40 °C, max. 80% relative humidity, max. 2000 m (MASL)
Storage temperature	-25 °C to 60 °C, max. 80% relative humidity (non-condensing)
Protection class	IP44
Conformity	CE (EMC Directives EN 61000-6-1: 2007 and EN 61000-6-4: 2007), RoHS
Spare lamps	21322075



FOT 20

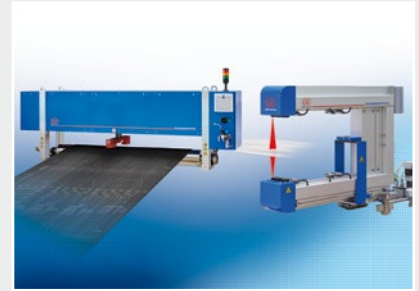
Sensors and Systems from Micro-Epsilon



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