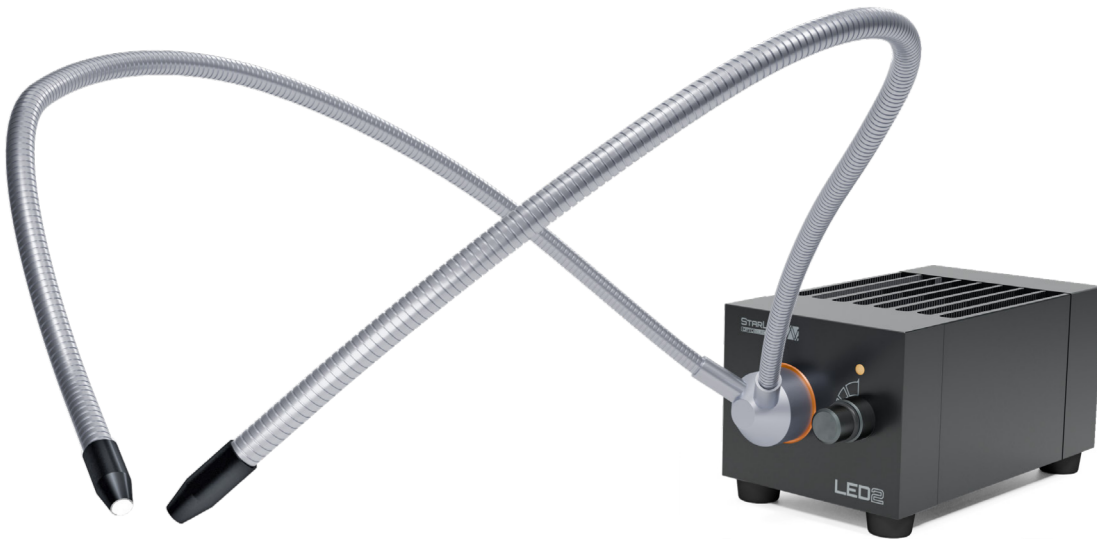# LED2 "Silent Light"

LED cold light source LED2 – small but powerful!

The LED cold light source LED2 is a cost-effective and energy-saving LED cold light source for use in industrial endoscopy and microscopy. It delivers excellent brightness values, especially with smaller light guide diameters. The LED2 is passively cooled and therefore does not require a fan and is therefore completely vibration and noise-free. The LED2 has a very pleasant daylight colour temperature of 5,700 K and provides optimum, homogeneous illumination of the light guides. Optimized electronics ensure flicker-free light, making the LED2 ideal for camera applications.

KEY-FEATURES

- Perfect for use in industrial endoscopy
- Passive, fanless cooling
- Completely vibration and noise-free
- Glare protection through fibre optic detection
- Adaptable to different light guides with adapters
- Flicker-free light
- Memory function for saving the brightness setting
- Brightness adjustable from 0 - 100%
- Compact and robust aluminium housing

MADE IN GERMANY

StarLight OPTO ELECTRONICS

LED2 "Silent Light"

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TECHNICAL DATA

Optics

Light source	High Power LED
Risk group	2
Active Ø light guide	max. 11 mm
Colour temperature	see product variants [1]
Colour rendering index	see product variants [2]
Luminous flux	see product variants [3]

Measured with a StarLight Opto-Electronics fiber opticlight guide with an active diameter of 9 mm and L = 1000 mm

Spectral curve
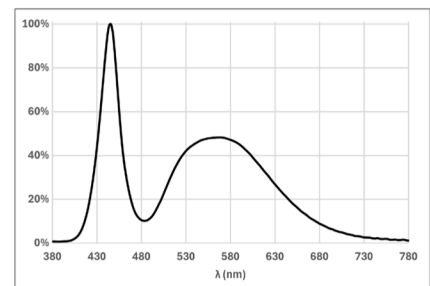
Electrics

Power consumption	about 22 W
Input power supply	100 - 240 V AC, 50/60 Hz
Output power supply	24 V DC, 1 A
Protection class	II
Temperature range	5° - 40°
LED life time	36.000h (L80, acc. manufaturer´s specification)

80 % of the original luminous flux is guaranteed after the specified operating hours

Dimension drawing

Mechanics

IP rate	IP20
Weight	about 1,6 kg
Dimensions (L × W × H)	176,8 mm × 90 mm × 85 mm
Colour	Black and orange
Material	Anodized aluminum
Light guide access	Standard Ø 15 mm
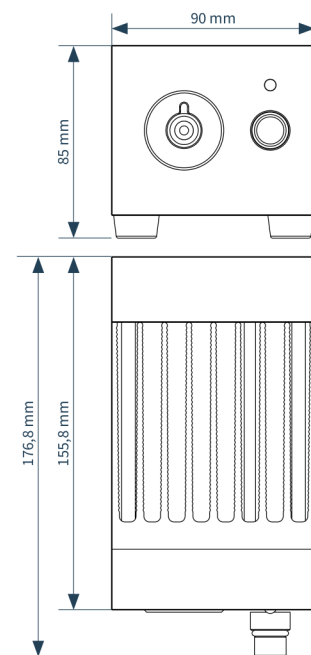
PRODUCT VARIANTS

100-013900	LED2-D	5.700 K [1], CRI 70 typ. [2], about 530 lm [3]	GTIN 04255825500143

ACCESORIES

100-000461	Adapter endoscopy	Adapter ø 15 mm for connection to the LED2, M7 x 0.75, anodized aluminium
100-006343	Adapter microscopy	for Schott-fibre optic light guides 10 + 12 mm
		Find a large selection of fibre optic light guides in our on-line shop at shop@starlight-oe.com. Please contact us for customer solutions tailored to your specific application.
100-013979	Stand LED2	for LED cold light source LED2
		When using longer or multi-armed semi-rigid light guides, we offer a stand for the stability of the light source, which can optionally be attached to the light source.

SCOPE OF DELIVERY

1 pc	LED cold light source LED2
1 pc	24 V multiadapter power supply (EU, UK, US)
1 pc	User manual

SHIPPING INFORMATION

HS Code	94054139
Country of origin	Germany

QUALITY MANAGEMENT

QM System	To safeguard our services, we maintain a certified quality management system that fulfils the current requirements of the ISO 9001: 2015 standard. Reg. no.: 313713QM15.e can be attached.
EG Conformity	Our products are manufactured in accordance with European Directive 2001/95/EC (CE).