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TECHNICAL PRODUCT INFORMATION

LED2 „SILENT LIGHT“

HT-LEDF-1000-P

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LED2 „SILENT LIGHT“

HT-LEDF-1000-P

FLICKER-FREE, SILENT, AND POWERFUL

1 - LED2 – COMPACT COLD LIGHT SOURCE FOR PRECISE ILLUMINATION

The LED2 cold light source is an economical and energy-efficient solution for industrial endoscopy applications. It offers outstanding brightness, particularly with small-diameter light guides.

Thanks to passive cooling, the LED2 does not require a fan, making it completely vibration- and noise-free. With a daylight-like color temperature of 5,700 K, it provides uniform, homogeneous illumination. The optimized electronics ensure flicker-free light – ideal for use in combination with cameras.

2 - KEY FEATURES

- ✓ Perfect for industrial endoscopy applications
- ✓ Passive, fanless cooling
- ✓ Completely vibration- and noise-free
- ✓ Glare protection through light guide detection
- ✓ Can be adapted to different light guides with adapters
- ✓ Flicker-free
- ✓ light Memory function for storing brightness settings
- ✓ Brightness adjustable from 0 to 100%
- ✓ Compact and robust aluminum housing

3 - TECHNICAL DATA

3.1 OPTICS

Light source	High Power LED
Risk group	2
Active Ø Light guide	max. 11 mm
Color temperature	See product variants 1)
Color rendering index	See product variants 2)
Luminous flux	See product variants 3)

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

3.2 ELECTRICAL SYSTEM

Power consumption	ca. 22 W
Power supply input	100 - 240 V AC, 50/60 Hz
Output power supply	24 V DC, 1 A
Protection class	II
Temperature range	5° - 40°
LED service life	36.000h (L80, according to manufacturer's specifications)

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

3.3 MECHANICS

Degree of protection	IP20
Weight	ca. 1,6 kg
Dimensions (L × W × H)	176,8 mm × 90 mm × 85 mm
Color	Black an orange
Material	Anodized aluminum
Fiber optic connection	Standard Ø 15 mm

3.4 PRODUCT VARIANTS

100-013900	LED2-D	5.700 K 1), CRI 70 typ. 2), ca. 530 lm 3)	GTIN 04255825500143

3.5 ACCESSORIES

100-000461	Endoscopy adapter	Adapter ø 15 mm for connection to LED2, M7 x 0.75, anodized aluminum
100-006343	Microscopy adapter	for Schott optical fibers 10 + 12 mm
100-013979	LED2 stand	for LED cold light source LED2

3.6 SCOPE OF DELIVERY

1 Piece	LED cold light source LED2
1 Piece	24 V multi-adapter plug-in power supply (EU, UK, US)
1 Piece	Operating manual

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