

2. LIGHT SOURCES

2.1 | LED LIGHT SOURCES

STEMA LED 1

STEMA LED 2 | 2T

STEMA LED 2S

STEMA LED 2S PRO

2.2 | LIGHT GUIDES

2.3 | ADAPTERS FOR LIGHT GUIDES

ADAPTERS FOR FIBER OPTIC LIGHT (SCOPE SIDE)

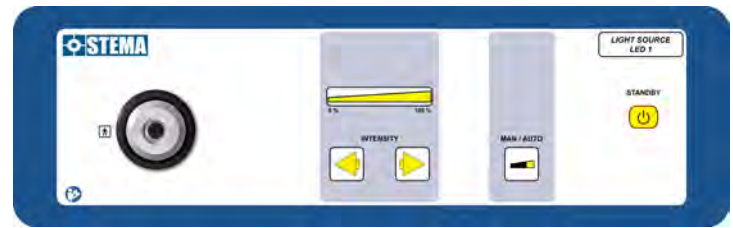
ADAPTERS FOR FIBER OPTIC LIGHT (UNIT SIDE)

2.4 | SPARE LAMPS XENON AND HALOGEN

2.1 | LED LIGHT SOURCES

STEMA LED 1

- *Low noise*
- *Daylight quality*
- *Low heat conduction*
- *Electronical light control via buttons*
- *Waterproof control panel*



CB-004-002

Ordering no.	Description
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CB-004-002	STEMA LED 1
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Technical data

System

Lamp	LED 2500: LED CRI 70 m
Colour temperature	Daylight quality - 6.500 K
Lifetime	>20.000 hours
Light guide connection	STEMA, Storz
Setting light intensity	Automatic and manual
Video In	1 x Video, BNC
Other connections	Service (RJ45)
Supply voltage	100 - 240 V (130 VA)
Frequency	50 - 60 Hz
Device protection	2 x T3.15 A
Protection class (acc. IEC 60601-1)	I
Safety class	BF
IP code	IP 20
Standard	IEC 60601-1-2
Device classification (EU) 2017/745, annex VII	I
Dimensions	360 x 125 x 251 mm (w x h x d)
Weight	5 kg

Delivery contains

Light source (control unit), operating manual, cable: mains (1), BNC (optional)

RECOMMENDED PRODUCTS

CK-001-012 High performance fiber optic light cable, Ø 4.8 mm, length 230 cm

CK-010-001 Fiber optic light cable adapter, scope side **STEMA / Storz / Olympus / Stryker**

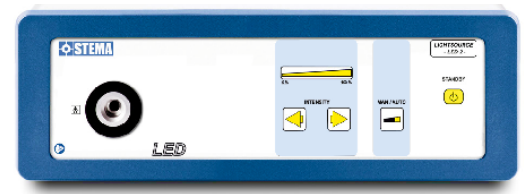
CK-010-011 Fiber optic light cable adapter, unit side **STEMA / Storz**





2.1 | LED LIGHT SOURCES STEMA LED 2 | LED 2T

- *High intensity light source*
- *Low noise*
- *Daylight quality*
- *Low heat conduction*
- *Electronical light control via buttons*
- *Waterproof control panel*



LED 2 | CB-005-007



LED 2T | CB-005-008

Ordering no.	Description
CB-005-007	STEMA LED 2
CB-005-008	STEMA LED 2T WITH TURRET MULTI CONNECTOR

Technical data

System

Lamp	LED 3000
Colour temperature	Daylight quality - 6.500 K
Lifetime	>20.000 hours
Light guide connection	CB-005-007: STEMA, Storz (Standard connection) CB-005-008: Turret, multi connector (optional): Wolf, ACMI, Olympus, Storz
Setting light intensity	Automatic and manual
Video In	1x video
Other connections	Service (RJ45)
Supply voltage	100 - 240 V (130 VA)
Frequency	50 - 60 Hz
Device protection	2 x T6.3 A
Protection class (acc. IEC 60601-1)	I
Safety class	BF
IP code	IP 20
Standard	IEC 60601-1-1, IEC-60601-1-2
Device classification (EU) 2017/745, annex VII	I
Dimensions	355 x 120 x 340 mm (w x h x d)
Weight	10 kg

Delivery contains

Light source (control unit), operating manual, cable: mains (1), BNC (optional)

RECOMMENDED PRODUCTS

CK-001-012 High performance fiber optic light cable, Ø 4.8 mm, length 230 cm

CK-010-001 Fiber optic light cable adapter, scope side **STEMA / Storz / Olympus / Stryker**

CK-010-011 Fiber optic light cable adapter, unit side **STEMA / Storz**



2.1 | LED LIGHT SOURCES STEMA LED 2S

- *Lowest cost of ownership with new LED technology (no bulbs to exchange - long lifetime)*
- *Lifespan of the illuminant >20.000h*
- *High luminance with low temperature development*
- *User friendly: integrated SCHÖLLY MIS-Bus interface*
- *Outstanding performance*
- *Multi light guide adapter compatible to STEMA, Storz, Wolf and Olympus lightguides*
- *Very silent device only producing 25 dB of noise, virtually inaudible*



CB-005-005

Ordering no.	Description
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CB-005-005	STEMA LED 2S
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Technical data

System

Lamp	LED
Colour temperature	6.500 K
Lifetime	>20.000 hours
Lumious flux	1.400 lm
Light guide connection	Multi light guide adaptor (STEMA, Storz, Wolf, Olympus, ACMI)
Setting light intensity	Automatic and manual
Connectivity	MIS-Bus interface
Supply voltage	100 - 240 V (130 VA)
Power consumption	Approx. 140 W (1.0 - 0.42 A)
Frequency	50 - 60 Hz
Protection class (acc. IEC 60601-1)	I
Directive compliance	CE mark
Standard	IEC 60601-1-1, IEC-60601-1-2
Device classification (EU) 2017/745, annex VII	I
Dimensions	295 x 130 x 355 mm (w x h x d)
Weight	5.8 kg

Delivery contains

Light source (control unit), operating manual, cable: mains (1)

RECOMMENDED PRODUCTS

CK-001-012 High performance fiber optic light cable, Ø 4.8 mm, length 230 cm

CK-010-001 Fiber optic light cable adapter, scope side **STEMA / Storz / Olympus / Stryker**

CK-010-011 Fiber optic light cable adapter, unit side **STEMA / Storz**



2.1 | LED LIGHT SOURCES STEMA LED 2S PRO

- Outstanding light quality with CRI > 90 for best colour rendering
- Light output comparable to 300 W Xenon
- Fully automatic light control by FlexiVision
- LCD display showing luminance level
- Very silent device only producing 25dB of noise, virtually inaudible
- Multi light guide adapter to STEMA, Storz, Wolf and Olympus light guides



CB-005-006

Ordering no.	Description
CB-005-006	STEMA LED 2S PRO

Technical data

System

Lamp	High power white light LED
Colour temperature	5.600 K
Lifetime	>30.000 hours
Luminous flux	1.420 lm
Light guide connection	Multi light guide adaptor (STEMA, Storz, Wolf, Olympus, ACMI)
Setting light intensity	Automatic and manual
Connectivity	MIS-Bus interface
Power consumption	Approx. 140 W (1.0 - 0.42 A)
Supply voltage	100 - 240 V (130 VA)
Frequency	50 - 60 Hz
IP Code	IP 21
Protection class (acc. IEC 60601-1)	I
Directive compliance	CE mark
Standard	IEC 60601-1-1, IEC-60601-1-2
Device classification (EU) 2017/745, annex VII	I
Dimensions	295 x 130 x 355 mm (w x h x d)
Weight	8 kg

Delivery contains

Light source (control unit), operating manual, cable: mains (1)

RECOMMENDED PRODUCTS

CK-001-012 High performance fiber optic light cable, Ø 4.8 mm, length 230 cm

CK-010-001 Fiber optic light cable adapter, scope side **STEMA / Storz / Olympus / Stryker**

CK-010-011 Fiber optic light cable adapter, unit side **STEMA / Storz**



2.2 | LIGHT GUIDES



All STEMA fiber optic light cables have (compared to conventional fiber optic light cables) a **20% higher transmission** as well as a **temperature resistance** on light guide. Furthermore our fiber optic light cables are **disinfectable** as well as **autoclavable**.



Ordering no.	Description	Diameter	Length
CK-002-011	Glass fiber light guide, flexible	Ø 4.8 mm	180 cm
CK-002-012	Glass fiber light guide, flexible	Ø 4.8 mm	230 cm
CK-002-013	Glass fiber light guide, flexible	Ø 4.8 mm	300 cm



Ordering no.	Description	Diameter	Length
CK-004-001	Y-Glass Fibre Light Guide 2x instrument side	Ø 3.5 - 5 mm	180 cm
CK-004-002	Y-Glass Fibre Light Guide 2x instrument side	Ø 3.5 - 5 mm	230 cm
CK-004-003	Y-Glass Fibre Light Guide 2x instrument side	Ø 3.5 - 5 mm	300 cm

2.2 | LIGHT GUIDES



All STEMA fiber optic light cables have (compared to conventional fiber optic light cables) a **20% higher transmission** as well as a **temperature resistance** on light guide. Furthermore our fiber optic light cables are **disinfectable** as well as **autoclavable**.



Ordering no.	Description	Diameter	Length
CK-001-005	High performance fiber optic light cable	Ø 2.8 mm	180 cm
CK-001-007	High performance fiber optic light cable	Ø 2.8 mm	300 cm
CK-001-001	High performance fiber optic light cable	Ø 3.5 mm	180 cm
CK-001-002	High performance fiber optic light cable	Ø 3.5 mm	230 cm
CK-001-003	High performance fiber optic light cable	Ø 3.5 mm	300 cm
CK-001-011	High performance fiber optic light cable	Ø 4.8 mm	180 cm
CK-001-012	High performance fiber optic light cable	Ø 4.8 mm	230 cm
CK-001-013	High performance fiber optic light cable	Ø 4.8 mm	300 cm
CK-001-014	High performance fiber optic light cable	Ø 4.8 mm	350 cm

2.3 | ADAPTERS FOR LIGHT GUIDES

ADAPTERS FOR FIBER OPTIC LIGHT CABLES (SCOPE SIDE)



Adapter pieces to use with endoscope

	Ordering no. Description
	CK-010-001 Fiber optic light cable adapter, scope side STEMA / Storz / Olympus / Stryker
	Ordering no. Description
	CK-010-002 Fiber optic light cable adapter, scope side Wolf / HSW
	Ordering no. Description
	CK-010-003 Fiber optic light cable adapter, scope side ACMI
	Ordering no. Description
	CK-010-021 Scope adapter Storz
	Ordering no. Description
	CK-010-022 Scope adapter Wolf

2.3 | ADAPTERS FOR LIGHT GUIDES

ADAPTERS FOR FIBER OPTIC LIGHT CABLES (UNIT SIDE)



Adapter pieces to use with light source



Ordering no.	Description
CK-010-011	Fiber optic light cable adapter, unit side STEMA / Storz
CK-010-015	Fiber optic light cable adapter (Xenon only), unit side STEMA / Storz



Ordering no.	Description
CK-010-012	Fiber optic light cable adapter, unit side Wolf / HSW
CK-010-016	Fiber optic light cable adapter (Xenon only), unit side Wolf / HSW



Ordering no.	Description
CK-010-013	Fiber optic light cable adapter, unit side ACMI / Stryker
CK-010-017	Fiber optic light cable adapter (Xenon only), unit side ACMI / Stryker



Ordering no.	Description
CK-010-014	Fiber optic light cable adapter, unit side OLYMPUS
CK-010-018	Fiber optic light cable adapter (Xenon only), unit side OLYMPUS

2.4 | SPARE LAMPS FOR XENON LIGHT SOURCES



The lightsources STEMA 110M / 100A, 180M/180A, 24M, 250, 150 are not available anymore, but the spare lamps for these devices.

Ordering no.	Description
CJ-001-001	Spare lamp for Xenon light sources STEMA 100M and STEMA 100A
CJ-001-002	Spare lamp for Xenon light sources STEMA 180M and STEMA 180A
CJ-001-003	Spare lamp for Xenon light sources STEMA 300M and STEMA 300A
CJ-001-004	Spare lamp for Xenon light sources STEMA 24M
Ordering no.	Description
CJ-001-011	Spare lamp for Halogen light sources STEMA 250
CJ-001-012	Spare lamp for Halogen light sources STEMA 150

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