

Источники холодного света (осветители волоконные)

CARL ROTH Halogen, IL 11 LED, LED3, LED8, LED.70

Технические характеристики

Алматы (7273)495-231
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Казахстан (772)734-952-31

Киргизия (996)312-96-26-47



Cold light sources



Cold light source Halogen

Krüss.

With a connection for gooseneck light guide.

- Integrated halogen reflector bulb 8 V, 20 W
- With continuous electronic brightness control
- Suitable for, e.g. lighting objects under microscopes

Technical specifications:

Art. No.	C018.1
Version	Cold light source: Halogen
Colour temperature	3200 K
L x W x H	150 x 175 x 90 mm
Light source	Halogen
Mains connection	110–240 V, 50/60 Hz

Delivery without gooseneck light guide, please order separately.

Version	Art. No.	Pack Qty.	
Cold light source: Halogen	C018.1	1 unit(s)	



Accessories Gooseneck light guide

Krüss.

Single arm for halogen cold light source

Designation	Art. No.	Pack Qty.	
Gooseneck light guide, single arm, with glass fibre cable. Fully flexible, with metallic casing. Front Ø 4.5 mm. Outside Ø 10 mm. Length: 500 mm.	C019.1	1 unit(s)	

Dual arm for halogen cold light source

Designation	Art. No.	Pack Qty.	
Gooseneck light guide, dual arm, with glass fibre cable. Fully flexible, with metallic casing. Front Ø 4.5 mm. Outside Ø 10 mm. Length: 500 mm.	C020.1	1 unit(s)	



Spotlight IL 11 LED

Perfect incident lighting for microscopes.

- Flexible lighting thanks to semi-rigid arm
- Small dimensions of the luminaire heads
- Flicker-free light for photos and videos
- Very high colour rendering index (CRI)
- Precise brightness control (0–100%) with memory function

Technical specifications:

Art. No.	KLX4.1	KLX5.1
Arm length	450 mm	600 mm
Luminosity	400,000 lx	
Luminous flux	730 lm	
Colour temperature	5600 K	
Colour rendering index	95 CRI	
Power consumption	10 W	
L x W x H	80 x 40 x 37 mm	
Weight	600 g	
Light source	LED	
Service life	Approx. 50,000 hours	
Mains connection	120–240 V, 50/60 Hz	

Delivery incl. bulb.

Without mounting material, please order separately.

Arm length (mm)	Art. No.	Pack Qty.	
450	KLX4.1	1 unit(s)	
600	KLX5.1	1 unit(s)	

Accessories for IL 11 LED spotlight

X-foot with stand rod (Ø 12 mm, L 100 mm)

Designation	Art. No.	Pack Qty.	
X-foot with stand rod (Ø 12 mm, L 100 mm)	KLX6.1	1 unit(s)	

Stand plate with rod (Ø 12 mm, L 200 mm)

Designation	Art. No.	Pack Qty.	
Stand plate with rod (Ø 12 mm, L 200 mm)	KLX7.1	1 unit(s)	

Microscope column attachment (25 mm)

Designation	Art. No.	Pack Qty.	
Microscope column attachment (25 mm)	KLX8.1	1 unit(s)	

Microscope column attachment (32 mm)

Designation	Art. No.	Pack Qty.	
Microscope column attachment (32 mm)	KLX9.1	1 unit(s)	

Cold light sources



Cold light source LED series

Starlight Opto-Electronics.

Modern cold light source with robust aluminium housing and premium-quality finish. LED technology makes it extremely efficient and maintenance-free. Flicker-free and uniform illumination.

Technical specifications:

Art. No.	HAX2.1	KLY1.1	KLY2.1
Type	LED 3	LED8	LED.70
Version	Passive cooling	Active cooling	Passive cooling
Luminous flux	730 lm	1,600 lm	1,500 lm
Colour temperature	5700 K	6900 K	
Colour rendering index	70 CRI	75 CRI	
Power consumption	36 W	110 W	100 W
Fibre-optic cable connection	Ø 15 mm		
L x W x H	259 x 174 x 81 mm	273 x 200 x 116 mm	283 x 230 x 160 mm
Weight	3700 g	2300 g	5200 g
Light source	LED		
Service life	approx. 50,000 hours		
Mains connection	120–240 V, 50/60 Hz		

Delivery without cable and ring light, please order separately.

LED 3

- Passive cooling without a fan for silent and vibration-free working, making it perfect for use in cleanrooms
- More powerful than a 150 W halogen light source
- Stackable. Can be positioned both horizontally and vertically

Pic.	Type	Version	Art. No.	Pack Qty.
(1)	LED 3	Passive cooling	HAX2.1	1 unit(s)

LED8

- Actively cooled cold light source, temperature-controlled for minimum noise generation
- Very high luminosity, ideal for high-speed recordings
- Glare protection provided by fibre-optic cable detection

Pic.	Type	Version	Art. No.	Pack Qty.
(2)	LED8	Active cooling	KLY1.1	1 unit(s)

LED.70

- Passive cooling without a fan for silent and vibration-free working, making it perfect for use in cleanrooms
- Very high luminosity, ideal for high-speed recordings
- Glare protection provided by fibre-optic cable detection

Pic.	Type	Version	Art. No.	Pack Qty.
(3)	LED.70	Passive cooling	KLY2.1	1 unit(s)



Accessories for LED series cold light source

Starlight Opto-Electronics.

Fibre-optic cable

Pic.	Version	Art. No.	Pack Qty.
	Single arm flexible light guide. L: 1000 mm, active-Ø 4.5 mm	HAX6.1	1 unit(s)
(1)	Dual arm gooseneck light guide. L: 450 mm, active-Ø 4.5 mm	HAX5.1	1 unit(s)
(2)	Dual arm flexible light guide. L: 1000 mm, active-Ø 4.5 mm	HAX7.1	1 unit(s)
(3)	Fibre-optic split-ring light 66. L: 1000 mm, active-Ø: 9 mm	HAX8.1	1 unit(s)

LED ring light

Pic.	Version	Art. No.	Pack Qty.
(4)	LED-ring light RL4-66-NW, Ø 66 mm, approx. 5000 K	HAX9.1	1 unit(s)
(5)	LED-segment-ring light RL4-66-S4, Ø 66 mm, approx. 5000 K, four segments	HAY0.1	1 unit(s)

Diffuser disc for LED ring light

Pic.	Version	Art. No.	Pack Qty.
(6)	Diffuser disc for RL4-66 series	HAY1.1	1 unit(s)

Polarizing filter set for LED ring light

Pic.	Version	Art. No.	Pack Qty.
(7)	Polarizing filter set for RL4-66- series	HAY2.1	1 unit(s)

(8) Reducing ring for LED ring lights

Version	Art. No.	Pack Qty.
Ø 66 mm to Ø 64 mm	HAY3.1	1 unit(s)
Ø 66 mm to Ø 62 mm	HAY4.1	1 unit(s)
Ø 66 mm to Ø 60 mm	HAY5.1	1 unit(s)
Ø 66 mm to Ø 58 mm	HAY6.1	1 unit(s)
Ø 66 mm to Ø 56 mm	HAY7.1	1 unit(s)
Ø 66 mm to Ø 54 mm	HAY8.1	1 unit(s)
Ø 66 mm to Ø 52 mm	HAY9.1	1 unit(s)
Ø 66 mm to Ø 50 mm	HCA0.1	1 unit(s)

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