

OPTIKA[®]
M I C R O S C O P E S
I T A L Y

favs
Scientific Equipment

Tel. 051 501153 - Fax 051 6336182

www.favs.it - info@favs.it

CL Series



Cold Light Illuminators

CLD-01



Flexible and professional cold light illuminator with high power, extra-efficiency 14W LED system, extremely bright and uniform. Optical power: >1000 lumen. Color temperature: pure white 6,300 K. Brightness control potentiometer, external power supply.



CLD-01 with CL-11.1



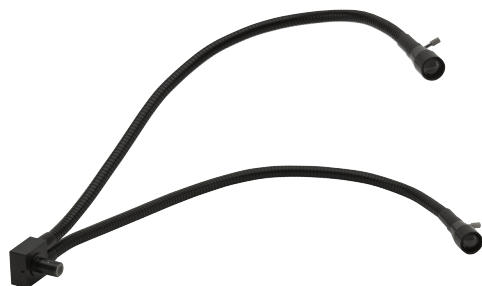
CL-17.1: Additional polarizing filters for CL-11.1

CLD-01 Accessories

The output can be coupled to the following accessories:

- CL-11.1: Double-arm optical fiber guide with focusing lenses. Arm length 500 mm.
- CL-17.1: Polarizing filters (pair) for CL-11.1.
- CL-12: Ring optical fiber guide (length 700 mm). Guide diameter 16 mm. Diameter of the fixing ring: 55mm. The circular end is suitable for all stereo series.

CL-11.1



Double-arm guide for CLD-01, with focusing lenses.
 Arm length 500 mm. Each arm fitted with focusable lens adapter.
Illuminance (at 10 cm distance): 100.000 lux.
 Optional accessory:
CL-17.1: Polarizing filters (pair) for CL-11.1.

CL-12



Ring optical fiber guide for CLD-01.
 Length 700 mm, diameter 16 mm.
 The circular end is suitable for all series, by using the three locking screws. Diameter of the fixing ring: 55 mm.
Illuminance (at 10 cm distance): 40,000 lux.

CL Series - Illuminators

CL-32



- Arms with magnetic coupling
- Two selectable light intensities
- Rechargeable batteries
- Focusable light spot

Arm illuminator with magnetic fixing plate, USB powered.

Light sources: LED; With 2W high efficiency LED.

Color temperature: pure white 6,300 K;

Luminous flux: 200 lm;

Illuminance: 20,000 (on 5 cm diameter).

CL-33



Pair of arm illuminators with magnetic fixing plates, metal base, USB.

Light sources: LED; With 2W high efficiency LEDs.

Color temperature: pure white 6,300 K;

Luminous flux: 200 lm (x2);

Illuminance: 20,000 (on 5 cm diameter) (x2).



CL-32/CL-33 quick connection

- place the adhesive disk in the preferred position on the instrument



- magnetically connect the arm and remove it for every need



CL-41



Double-arm X-LED³ illuminator, with brightness control.

Light sources: With 3,6 W high efficiency X-LED³.

Color temperature: pure white 6,300 K;

Luminous flux: 400 lm each arm;

Illuminance: 170,000 lux (at 10 cm distance).

Multi-plug 100-240Vac/12Vdc external power supply.

CL Series - Illuminators

CL-14



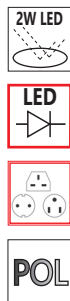
56-LED ring light illuminator, with brightness control.
 Compact, with 360° rotating ring connector.
 Illuminance (at 10 cm distance): >8,000 lux.

CL-16.1



Professional lighting system including 144 LEDs (2W total power) for enhanced light uniformity and brightness. The ring light illumination is divided into 4 different zones, individually adjustable for **selectable light zones**. The **separated, external control panel** prevents interferences during use, whilst the sturdy metal structure makes it **more durable and resistant**.
Diameter of the fixing ring: 60mm.
Color temperature: pure white 6,300 K.
Illuminance: 6,000 lux (at 10 cm distance).

CL-18



Professional lighting system including 96 LEDs for enhanced light uniformity and brightness, and **built-in rotating polarizing filter** and analyzer filters for complete polarization, ideal to reduce glares and reflections when viewing metallic parts. Provided with **on-board intensity level adjustment**.
Diameter of the fixing ring: 60mm.
Color temperature: pure white 6,300 K.
Illuminance: 9,000 lux (at 10 cm distance).

v 6.8.0 - OPTIKA reserves the right to make corrections, modifications, enhancements, improvements and other changes to its products at any time without notice.

Headquarters and Manufacturing Facilities

OPTIKA® S.r.l. Via Rigla, 30 - 24010 Ponteranica (BG) - ITALY - Tel.: +39 035.571.392 - info@optikamicroscopes.com

Optika Sales branches

OPTIKA® Spain spain@optikamicroscopes.com
OPTIKA® China china@optikamicroscopes.com
OPTIKA® India india@optikamicroscopes.com

OPTIKA® USA usa@optikamicroscopes.com
OPTIKA® Central America camerica@optikamicroscopes.com