

## ACCESSORIES

Illumination and sample positioning



# ACCESSORIES

To achieve the ideal work situation, it is important to combine the right microscope with the right accessories.

We offer WIDE range of devices: external illuminator, moving stages, heating stages.

Choose the right accessories is an essential process in order to obtain the best performance from your microscope.

- |                |  |
|----------------|--|
| <b>CLD-01</b>  | Cold light X-LED illuminator, 14W extra-efficiency system.                   |
| <b>CL-15.1</b> | Ring light Led illuminator, with 10-steps on-board brightness control.       |
| <b>CL-16.1</b> | Ring light Led illuminator, with continuous and external brightness control. |
| <b>CL-20</b>   | Ring light fluorescent bulb illuminator, with ON/OFF button.                 |
| <b>CL-30</b>   | Double-arm Led illuminator, without brightness control.                      |
| <b>CL-31</b>   | Double-arm Led illuminator, with brightness control.                         |
| <b>CL-41</b>   | Double-arm X-LED <sup>3</sup> illuminator, with brightness control.          |



# ACCESSORIES Series - CLD-01

## CLD-01

Cold light X-LED illuminator, 14W extra-efficiency system.

### Light source

High power 14W LED

### Chromaticity coordinates (x,y)

0.320, 0.320 (pure white)

### Optical power (with double-arm option)

Illuminance (at 10 cm distance): 70000 lux

### Power supply

Brightness control potentiometer.

External power supply provided.

Input: 110/240 Vac 50/60 Hz; output: 6 Vdc 5A

### Dimensions

Length: 200 mm

Width: 120 mm

Weight: 4,1 Kg

## CLD-01 + 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:** Focusing lens (pair) with built-in polarizer filter (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.

# ACCESSORIES - Illuminators

## CL-30

### Double-arm Led illuminator.

Light sources: LED (x2);

With 2W high efficiency LEDs.

Chromaticity coordinates (x,y): 0.320, 0.320;

Luminous flux: 80 lm each arm;

Emission angle: 35°;

Power supply: 12Vdc, 1500 mA;

Without brightness control.

## CL-31

## CL-31

### Double-arm Led illuminator, with brightness control.

Light sources: LED (x2);

With 2W high efficiency LEDs.

Chromaticity coordinates (x,y): 0.320, 0.320;

Luminous flux: 80 lm each arm;

Emission angle: 35°;

Power supply: 12Vdc, 1500 mA;

With brightness control.



## CL-41

## CL-41

### Double-arm X-Led illuminator, with brightness control.

With 3,6W high efficiency X-LED<sup>3</sup>.

Chromaticity coordinates (x,y): 0.320, 0.320;

Luminous flux: 400 lm each arm;

Emission angle: 25°;

Power supply: 12Vdc, 1500 mA;

With brightness control.



## CL-11.1

### Double-arm guide for CLD-01, with focusing lenses.

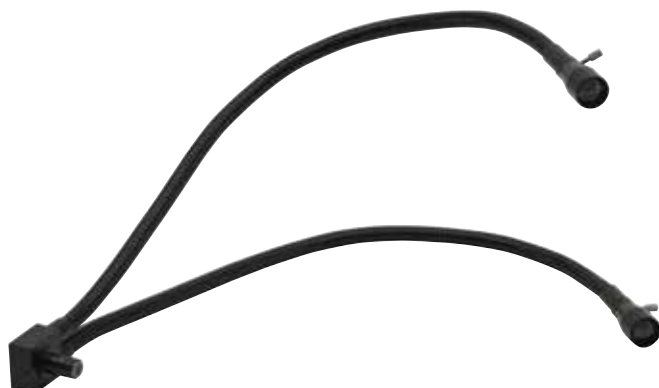
Arm length 500 mm.

Each arm fitted with focusable lens adapter.

Optional accessory:

**CL-17:** lens pair with built-in linear polarizer.

## CL-11.1

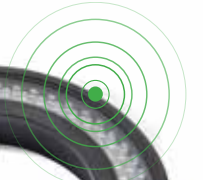


# ACCESSORIES - Illuminators

## CL-16.1



Uniform illumination on a wide area. Number of single LEDs: 144  
4 illumination sectors addressed by individual buttons.



## CL-15.1



### CL-16.1

**Ring light Led illuminator, with continuous and external brightness control.**  
External intensity light control. Number of LEDs: 144.  
Four illumination sectors controlled by individual buttons. Diameter of the fixing ring: 60mm. Suitable for all series.

### CL-15.1

**Ring light Led illuminator, with 10-steps on-board brightness control.**  
Intensity light control. Number of LEDs: 72.  
Four illumination sectors controlled by a MODE button. Diameter of the fixing ring: 60mm. Suitable for all series.

### CL-20

**Ring light fluorescent bulb illuminator.**  
Fluorescence ring light illuminator, 8W. Diameter of the fixing ring: 60mm. Suitable for all series.

Optional lenses for arms:

**CL-21:** Spare fluorescent lamp, 8W (for CL-20)

## CL-20



### 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: 55mm.

## CL-12



# ACCESSORIES

- ST-100** **Moving stage \***  
Manual positioning stage.  
Dimensions: 185x145mm.  
Range: 56mm (X) x 35mm (Y).
- ST-110** **Moving stage, with knobs \***  
Manual positioning stage, using knobs for X-Y movements.  
Dimensions: 180x155mm.  
Range: 75mm (X) x 54mm (Y).
- ST-111** **Moving stage, with micrometer screws \***  
Manual positioning stage, using micrometer screws.  
Dimensions: 185x145mm.  
Range: 25mm (X) x 25mm (Y).  
Micrometer screws resolution: 0.01mm.
- M-666** **Heating stage for biological microscopes\***  
Temperature range: 20°C (room temperature) – 50°C.  
Temperature setting resolution: 1°C.  
Temperature measuring resolution: 0.1°C.  
Display: LED display for set temperature.  
LED display for measured temperature.  
Power supply: Input: 110/220Vac 50/60Hz. Power: 50W.
- ST-666** **Heating stage for stereomicroscopes \***  
Temperature range: 20°C (room temperature) – 50°C.  
Temperature setting resolution: 1°C.  
Temperature measuring resolution: 0.1°C.  
Display: LED display for set temperature.  
LED display for measured temperature.  
Power supply: Input: 110/220Vac 50/60Hz. Power: 50W.

\* The model of microscope that will be used with this accessory must be specified.

## ST-100



## ST-110



## ST-111



## M-666



## ST-666



## Headquarters and Manufacturing Facilities

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