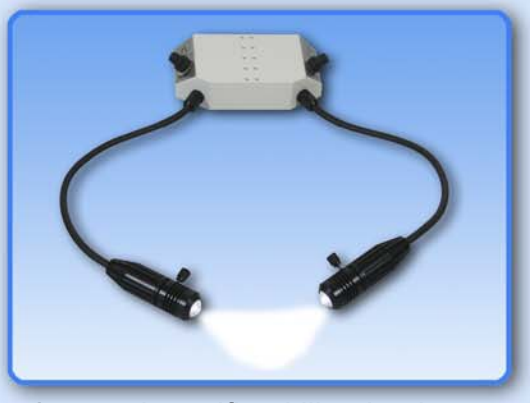
Mikroskop Technik Rathenow

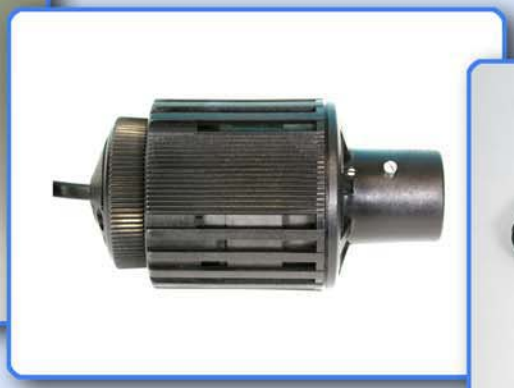
LED - Microscope Illumination



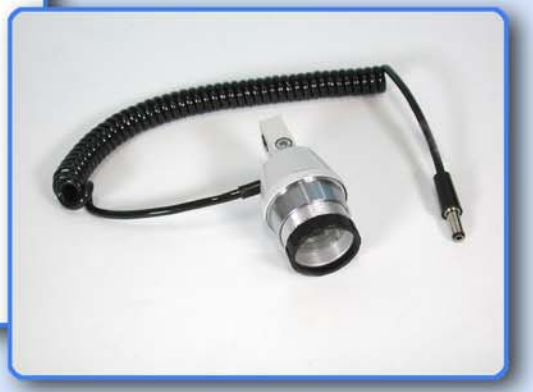
2 armed semifixed illumination
focusable, bightness controll

- white light
- brightness controll
- low heat output
- low energy consumption
- long life

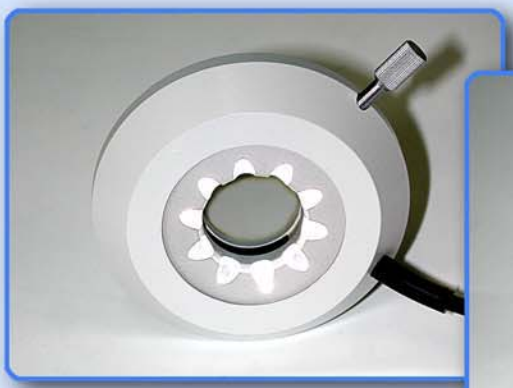
transformer
3W, adjustable



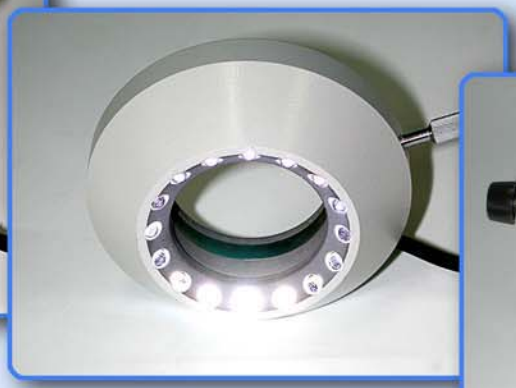
spotlight
focusable



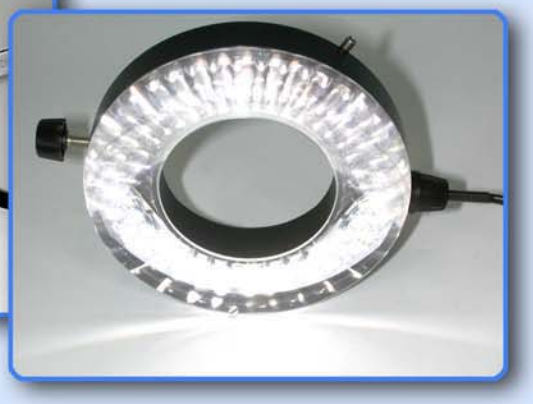
comfortable handling



ringlight
with clamping screw



different diameters



different working distances

LED - microscope illumination

Brightness

The universal LED light reachs the same brightness like a standard halogen lamp. The size of the object field is adjustable with a focusable collector. The brightness will be changed with a dimmer.

Sharpness

With the percentage higher blue quantity in the light (shorter wavelenght) the object are magnify sharper. On request white LEDs are also avaible with a warm light spectrum.

Light color

The light from halogen lamp contains a lot of warmth, so it will be very hot. In addition the part of red / yellow light is quite high and so the pictures appear a bit yellow (warm light). With the change of brightness the light color light changes too. To reach adjustable cold light with a halogen lamp, it needs big expenditure.
On the other hand the LEDs send out white light and they do not getting hot. At the change of brightness the light color keeps constant.

Lifetime and Energy consumption

There is no other light source with such a high lifetime and low energy consumption like LEDs. Furthermore the LED is a low cost light source.

Power supply

Comfortable handling with an adjustable 3W electrical power transformer to secure the right illumination intensity.

The LED-ring light

The ring light secures non-glaring object illumination with a natural color temperatur. It provides an even illumination by different working distances, angles and magnifications. The 66mm ringlight is also available with seperate controllable LED-sections to reach different surface contrasts.

inner diameter (mm)	working distance (mm)
22	10
41	30
41	70
66	100

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