

INSTALLATION manual for LED lamp for Leitz SM LUX



In the base of the SM LUX microscope is a lampholder for the bajonet lamp plugged in. For changing of the incandescent bulb, user can take this lampholder out of the base of the microscope.

Before we do any modification, it is best to do a Köhler light adjustment first



For this job, the mounting of the LED, we need a small screwdriver.

In the front ring of the lampholder are three small screws, that keep the bajonet base. Loosen these screws only by turning the screws 1 or 2 turns. Leave them in! And be careful not to drop them!

When the screws are loose, you can take the base from the holder



The LED lamp has a cord with a plug, insert the plug from the front into the holder, so it will come out at the other end





Cord coming out at the other end

You can also put in the metal part hold it about 2 mm before the stop.

Tighten the screws a bit, in such a way, that the metal part does not slide out, but is still rotatable.



Now you have to align the flat side of the LED lamp to the positioning strip at the rear of the black holder, like in the image.

Carefully insert the lampholder into the base of the microscope again, avoid scratching the LED

After this, you can connect the LED to the regulator, and plug the power cord in in the wall outlet.

Switch on, and set to a low intensity

Now put a specimen on your microscope and try to get the best lighting result by pulling the lampholder carefully out or pushing it into the microscope, this can be done best with a low magnifying objective, 2,5 X or 5 X.

If you have found the best position, take a good look how far (mm) the lampholder is moved, (outwards or inwards)

Take the lampholder out of the microscope, slide the LED in or out of the holder with the same mm as you have checked from the lampholder. Now fix the three screws. (check if the LED is still inline with the bar on the black part). Insert the lampholder again and you are ready for use.

**Use the LED only with the TDKK regulator because LED safety parts are in there.
DO NOT STARE IN THE LIGHT OF A HIGH POWER LED**

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