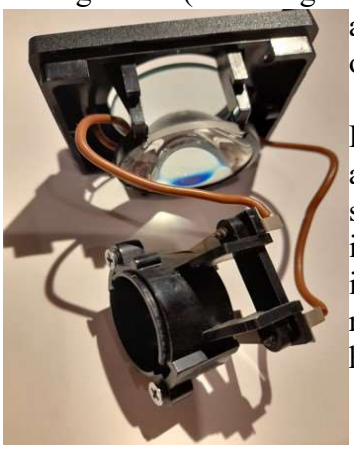
Remove the lamphouse from the microscope (turn screw in rear loose)
Open the lamphouse by unscrewing the two scross screws (left and right) just behind the black frontend.
A long screw (mounting screw to the microscope) and a metal plate come out



Remove the lampbase, and remove the two screws that hold the inner lining of the base in the housing, carefully remove the frontend which is connected with two wires to the base holder.

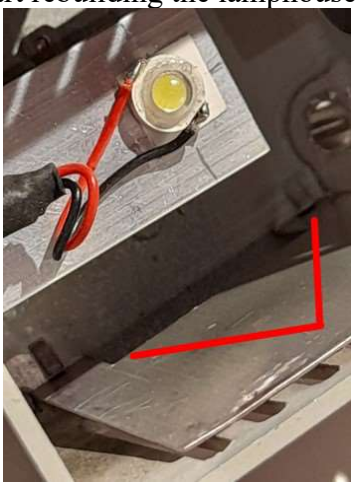
Remove the black screws that hold the metal contact plates to the base holder.

Now this base holder is free. For storing and safe keeping of this part, you best screw the black and silver screws back in this part.

Both wires with each a metal plate are folded in the side compartiments of the black frontend, while keeping the glass and the opening for the mounting screw free.

The new **metal LED holder** can be mounted. First guide the cable of the LED from the inside through the opening of the base holder, mount the metal with 2 short screws and nuts.
When fixed, you can now start rebuilding the lamphouse.

Insert the square metal plate with its “feet” first, the feet need to be positioned in the two slots in the bottom of the housing, let the plate rest against the slits inside the housing. Keep it tilted this way.



Insert the mounting screw, the end with the washer goes in first, through the opening in the bottom.

Now carefully lay the black frontend over the mounting screw and slide it against the white housing metal .
Let the side with the slits face you, if your screw driver is thin enough to go between the slits then continue, otherwise find a toothpick, or other thin enough item that can go between the slits.

Slowly raise the black front end till it is about 5 mm up, and gently push the upper end of the metal plate through the slits, inwards, against the supports in the black part, now lower the black part while holding the

plate in this position.

When black and white parts connect again, you can see that the plate is hooked in, and has the good (noise free) position.
Then you can screw in the remaining two screws to finish the rebuild.

Now you have a complete lamphouse with a cable sticking out.

Mount the lamphouse back to the rear of the microscope.

The LED is not connected to the electrical system of the microscope, and will not react to any button or knob..... so you can leave the mains cable out of the microscope. (and wall plug all together)

The LED needs to be connected to the dimmer, simply connect the LED cable to the rear of the dimmer.
Also in the rear is a **microUSB** connector, connect a micro USB (telephone charger) cable to this port, and to a charger, or USB port of your PC.

Switch the dimmer on and the control light will shine (USB power prestent) now with the rotary knob the light intensity can be set to the desired level.... be aware that the LED is probably more powerfull than the halogen

The light of the LED has a white tone, and does not need the old blue filter, so remove that.

All other functions of the microscope have remained the same, check your manual for the way to set it up the best way.

LED unit and dimmer produced by TDKK
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DO NOT STARE IN THE BEAM OF A HIGH POWER LED CHANCE ON EYE DAMAGE