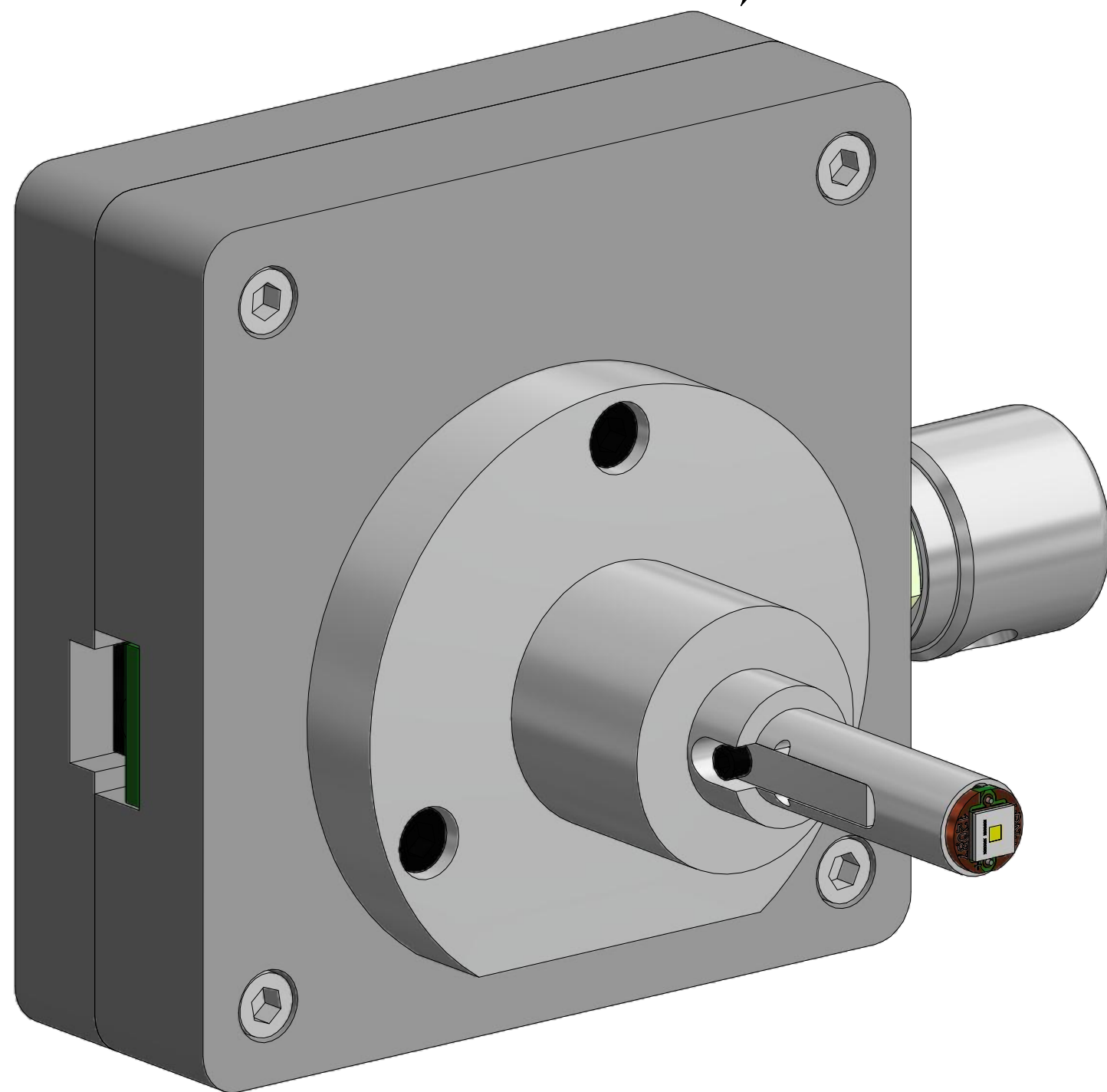


Nanodyne Replacement Illuminator for Zeiss OPMI PICO Surgical Microscope illuminator System Installation: Included Items

**Additional Items Included But Not Shown:**

PN 10703 Hex Key 0.05 inch short arm (for set screw - to clamp adapter)

PN 12083 Zeiss OPMI PICO Illuminator Assembly



The illuminator may be powered by plugging the cable into the power supply provided, or into a suitable USB port on a computer or other device.



PN 10733 Power Supply - XP Power 5V 1A and PN 10734 Cable Assy 1.35mm ID x 3.5mm OD RA plug to USB A, 6 foot.

Power supplies subject to substitution without notice due to availability issues and changes in regulations.



PN 11000 Power Cord Extension 1.35mm ID x 3.5mm OD RA plug to jack 6 foot. (use if needed for more length)

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Nanodyne Replacement Illuminator for Zeiss OPMI PICO Surgical Microscope illuminator System Installation: Overview

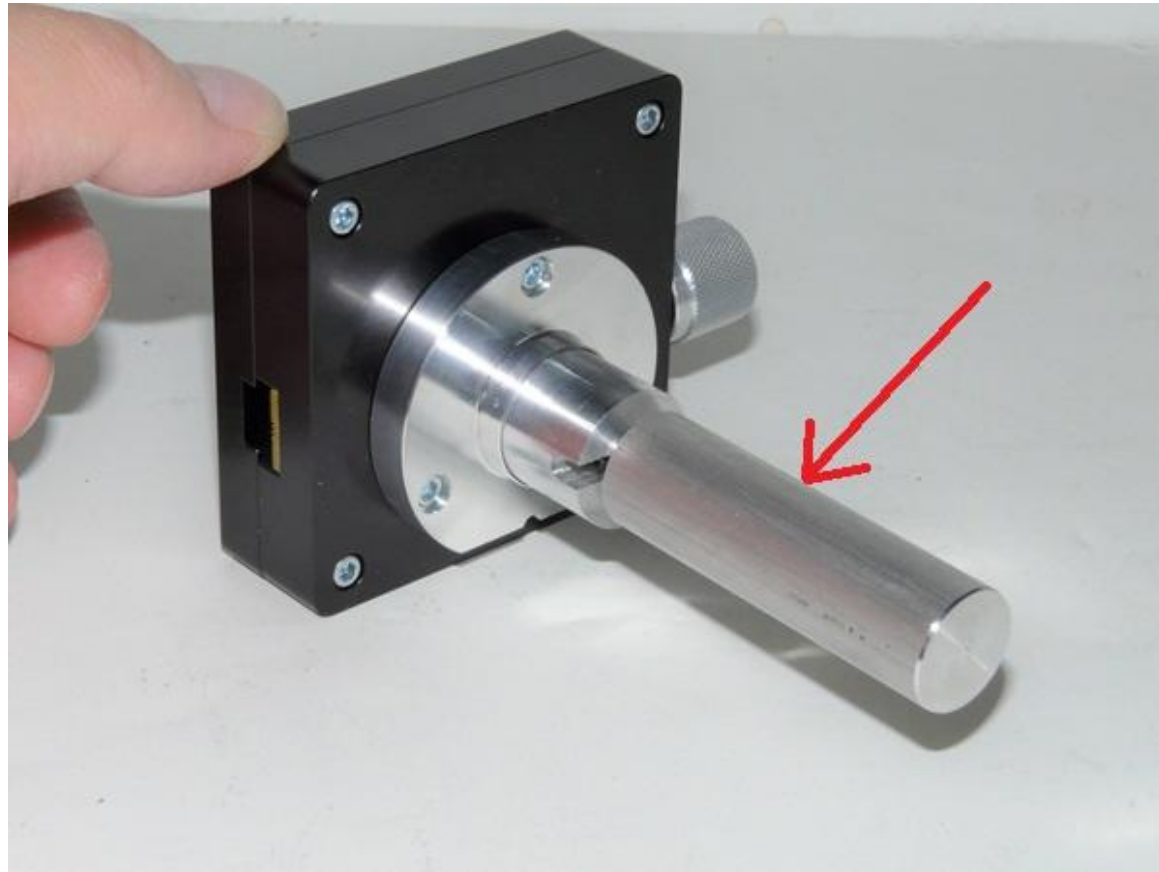


The Nanodyne illuminator replaces all of the original electronics. The fiber optic cable is eliminated also. The arrow above points to the port that holds the fiber optic cable in place at the microscope. The Nanodyne illuminator installs there, where the fiber optic cable is attached to the microscope.

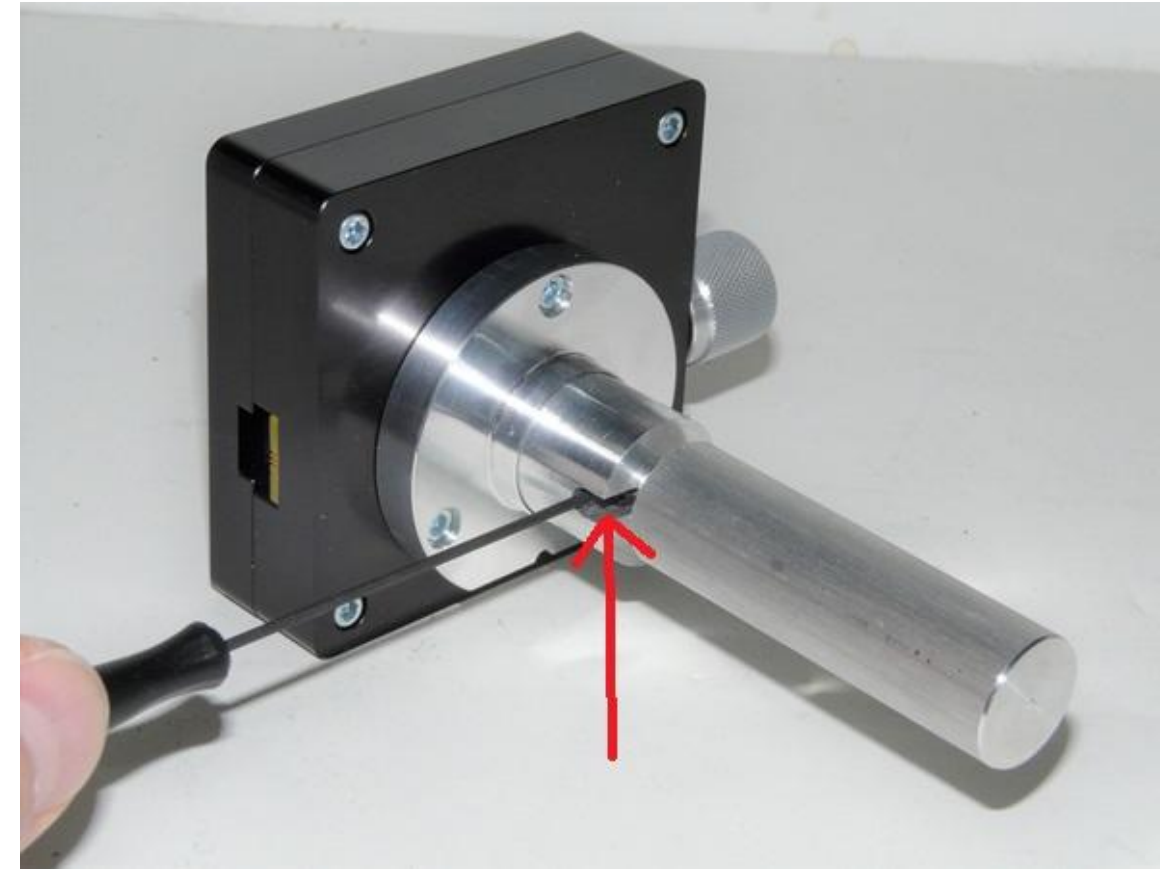
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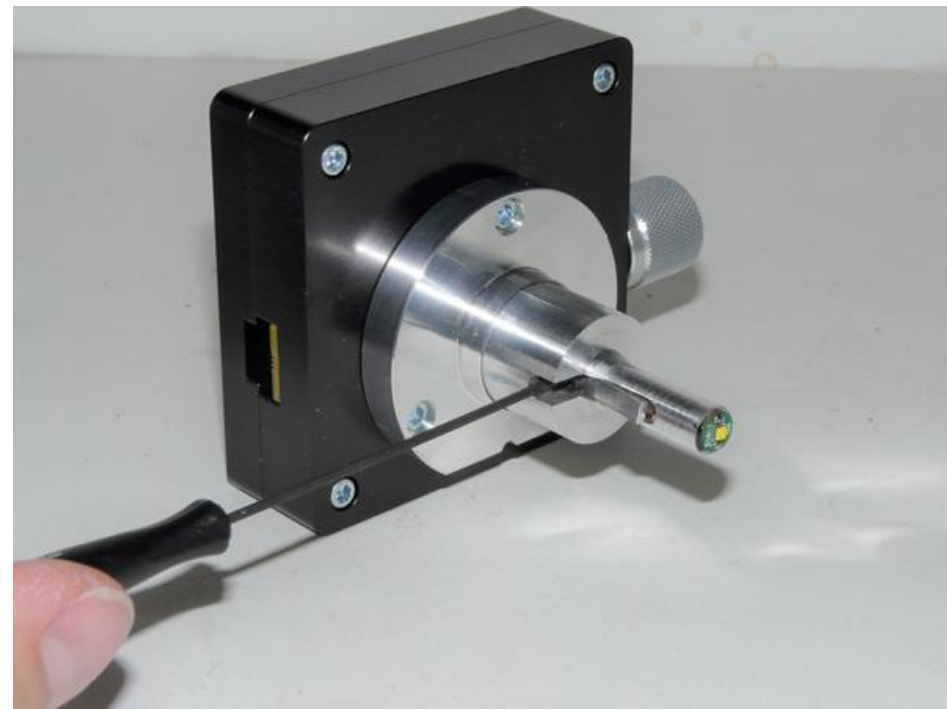
Nanodyne Replacement Illuminator for Zeiss OPMI PICO Surgical Microscope illuminator System Installation: Step 1, Remove Fiber Optic Cable, Set Clamp Screw Ready.



The Nanodyne illuminator will be shipped along with the aluminum tube (red arrow) which protects LED assembly.



(1) Loosen the set screw on the side indicated by the red arrow. Remove the aluminum tube.



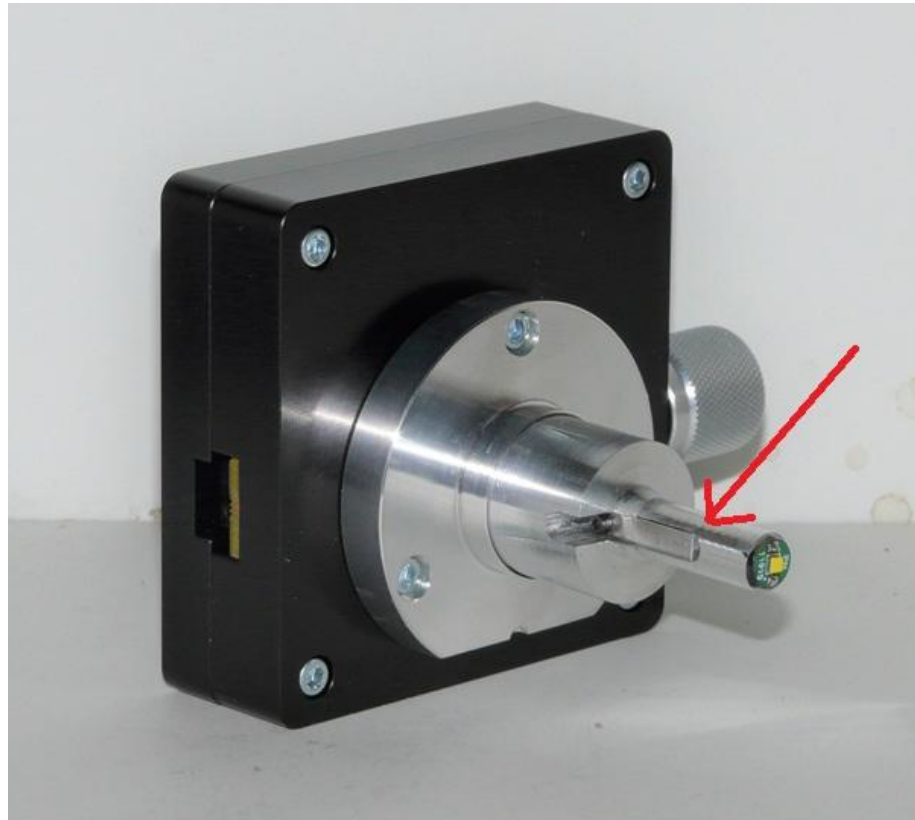
Before loosen the set screw, clamp inside the tube will look like this photo.



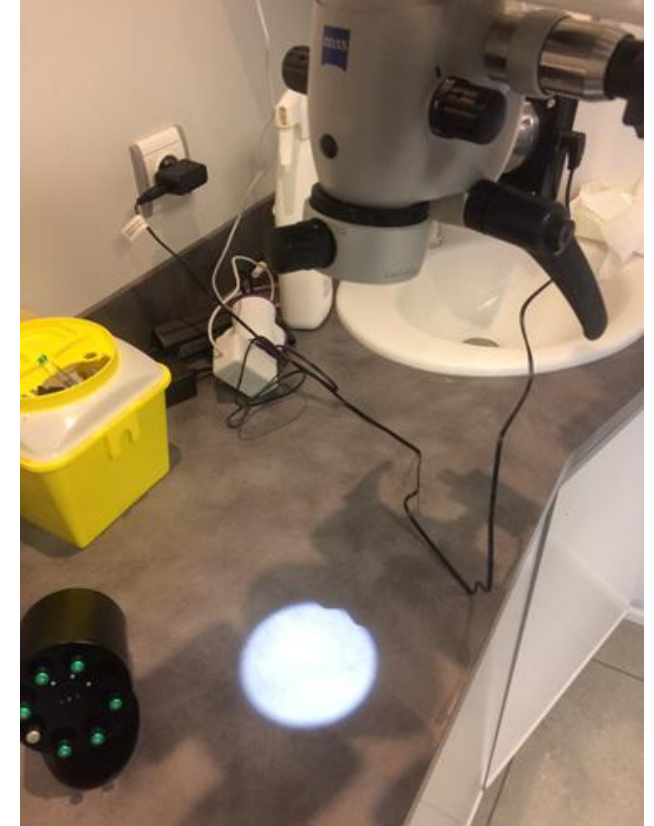
After loosen the set screw, clamp inside the tube becomes flat (red arrow in the photo).

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Nanodyne Replacement Illuminator for Zeiss OPMI PICO Surgical Microscope illuminator System Installation: Step 2, Install Nanodyne illuminator and Connect Power Supply.



\*Make sure the clamp is flat before insert the illuminator.



Insert the illuminator into the port on the microscope where the fiber optic collector lens assembly was removed, and secure it with the clamp screw on the illuminator.

Plug the power supply into an AC outlet. Plug the USB end of the power cable into the power supply. Plug the round barrel end of the cable into the connector on the side of the illuminator (visible in photo at left).

(if a longer power cable is needed, use the included extension)

Look through the microscope and check the light pattern. If it is not uniform, it can be adjusted by changing the position of the illuminator.



\*Tighten the screw makes the clamp holds the illuminator to the fiber optic port.

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