

Start Up

1. Install the lamp module (see side 2).
2. Install the light guide (see below).
3. Plug the unit into a properly grounded AC outlet.
4. Turn on the Power switch at the front of the unit.
5. The lamp will automatically strike when power is turned on to the unit. The **LAMP** indicator will be illuminated.
6. Allow the lamp to warm up (approximately 4 minutes). During the warm up period the LED display and indicators will flash.

Installing the Light Guide

1. **Remove the protective end caps from the light guide**
2. Insert the light guide into the light guide port on the front panel until it seats with a positive click.
3. Insert the light emitting end of the light guide into the collimating adapter after it has been installed on the microscope.

Front Panel Controls

1. **SHUTTER** button will open/close the shutter, **OPEN** LED will indicate when shutter is open.
2. **MODE** button is used to cycle between Coarse, Fine and Hours mode when pressed and then released within 1 second. The LED's to the right of the display indicate the current mode of operation.
 - **Coarse Mode**: display shows intensity in %; increase/decrease in 10% steps using **UP/DOWN** buttons
 - **Fine Mode**: display shows intensity in %; increase/decrease in 1% steps using **UP/DOWN** buttons
 - **Hours Mode**: display shows how many hours the lamp has been in operation
3. If the unit is calibrated, **MODE** button is used to toggle between Relative (**XXX** %) and Absolute (**XX.XX** Watts) power display modes when pressed and then released after more than 1 second. The display number formatting will indicate the current power display mode.

Using the Footpedal / Remote Device

1. Connect Footpedal /remote device to 3.5mm jack at rear of unit.
2. Depressing the footpedal, or providing a momentary contact closure, provides the same function as pressing the **SHUTTER** button.

Setting the Intensity Level

1. Set your X-Cite *exacte* to Coarse or Fine Intensity Mode by pressing the **MODE** button.
2. Press the **UP** or **DOWN** button to increase or decrease the light output. Note: No light will be emitted if 0% is selected
3. **Press the SHUTTER button to open the shutter**. The OPEN indicator will illuminate.

Warning: UV light and high levels of visible light will be emitted from the end of the light guide !
4. Press the **SHUTTER** button to close the shutter. The OPEN indicator will turn off.

Closed-Loop Feedback™ (CLF)

1. To enable CLF: Set the intensity to the desired level. Press and hold the **MODE** button, then press and release the **UP** button. The CLF light will turn on. (Note: **UP** must be released before **MODE**—treat **MODE** like a "shift" key).
2. To disable CLF: Press and hold the **MODE** button, then press and release the **UP** button. The CLF light will turn off.

Calibration/Radiometry (optional)

- To Measure Output Power

1. Set the X-Cite to the desired intensity.
2. Close X-Cite shutter using **SHUTTER** button.
3. Remove light guide from microscope adapter
4. Snap the 3mm (red) light guide adapter into the top of radiometer (if not already in place).
5. Loosen thumb screw on red light guide adapter, fully insert and fasten light guide into holder.
6. Turn radiometer on using the **ON** button
7. Open X-Cite shutter, the power reading will show on the display.

- To Calibrate the X-Cite *exacte*:

1. Set up the radiometer to obtain a power reading as described above
2. Connect radiometer cable to port on the right side of the radiometer (under flap in rubber boot), and the port on the right side of the **X-Cite *exacte***.
3. Press and release the **X-CITE CAL** button.

The X-Cite will display CAL, and the radiometer will display a moving dash (-) while the calibration sequence is running.



WARNING: Never look into the light emitting end of the light guide! The light could severely damage the cornea and retina of the eye if the light is observed directly. Eye shielding must be used at all times as well as clothing to protect exposed skin
Refer to X-Cite *exacte* User's Guide, Section 2

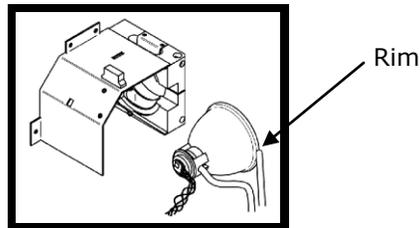


Warning – Refer to User Manual for all safety precautions prior to use.

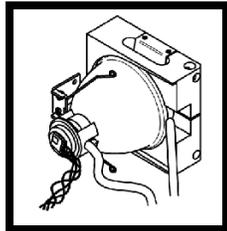
Installing the Lamp Module

1. Be sure the AC power cord is disconnected from the unit.
2. Remove the screw from the lamp access side panel using the 3mm hex tool located on the bottom of the unit and remove the panel from the unit cover.
3. Carefully remove the lamp module from its container, holding only the ceramic component and glass rim
4. As illustrated below, position the lamp facing towards the front of the unit with the power leads facing towards you.

Caution: Do not touch the bulb's glass envelope or the inside surface of the reflector. Skin oils can cause the lamp module to fail prematurely.

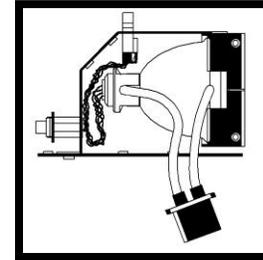


5. Make sure the middle of the lamp is in position to fit into the spring clamp. Slide the lamp until it snaps into the spring clamp. The leading edge of the reflector should fit snugly into the lamp holder recess.



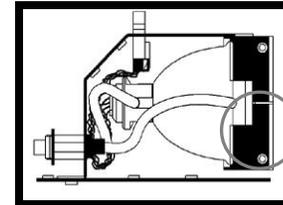
6. Locate the 4-pin Intelli-Lamp sensor connector at the rear of the lamp module and connect it to its mate located on the top of the lamp-housing wall.

Tip: the Intelli-Lamp connector will only attach in the correct orientation. If you are having difficulty attaching the connector, try rotating it by 180°.



7. Locate the Power connector with two leads and connect it to its mate located on the bottom of the lamp-housing wall.

Tip: the Lamp Power connector will only attach in the correct orientation. If you are having difficulty inserting the connector, try rotating it by 180°.



8. **It is very important to ensure that the lamp anode cooling fin (bar) and lamp power lead, at the front of the lamp are centered within the lamp holder cutout. Rotate the lamp as required.**

9. Replace the lamp housing side panel and tighten the fastening screw.
10. Replace the hex tool in the clips underneath the system for future use.
Note: if the lamp housing panel is not secured completely, the lamp will not strike and the "bulb" message will display when power is turned on to the unit.



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