

X-Cite® 200DC: Quick Start Guide



Warning – Refer to User Manual 035-00446R for all safety precautions prior to use.

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. **Power** “on”/“off” switch
3. Iris Adjustment Dial.

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.

Illuminating a Specimen

1. To illuminate a specimen, press and release the SHUTTER button to open the shutter (**OPEN** LED will turn on- green).
2. User the Iris Adjustment Dial for intensity adjustment to desired level.

Warning: UV light and high levels of visible light will be emitted from the end of the light guide !

3. Press the **SHUTTER** button to close the shutter. The OPEN indicator will turn off.

Adjusting Light Output

1. To adjust light intensity, use the Iris Adjustment Dial and set to desired level by turning.
2. There are no hard stops, motion is smooth from 0 to 100%. 0, 12.5, 25, 50, 100% are marked on the fascia around the dial for reference.
3. Note that as the lamp ages, absolute power at a given setting will decrease. Adjust the intensity as necessary. If monitoring absolute value of lamp output is desired, [contact Lumen Dynamics](#) about purchasing the X-Cite® Optical Power Measurement System.

Viewing Accumulated Lamp Hours

1. The X-Cite 200DC system automatically accumulates the number of hours for which the lamp has been on, and shows this information on the LED display. The lamp hours are shown when the unit is powered on and after lamp has warmed up.

Refer to User Guide 035-00446R for Power Measurement options.



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 200DC User's Guide 03500446R, Section 3

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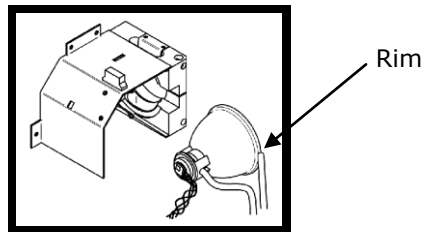


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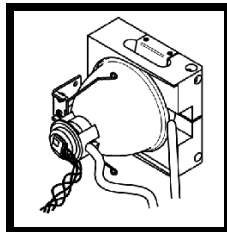
Installing the Lamp Module

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.
3. Carefully remove the lamp module from its container, holding only the ceramic component and glass rim
4. As illustrated below, position the lamp 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.

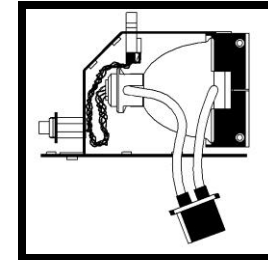


5. Make sure the middle of the lamp is in position to fit into the spring clamp. Slide the lamp until it snaps into the spring clamp. The leading edge of the reflector should fit snugly into the lamp holder recess.



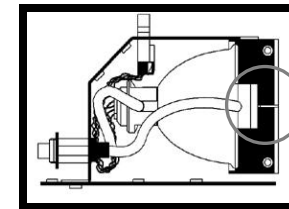
6. Locate the 4-pin Intelli-Lamp sensor connector at the rear of the lamp module and connect it to its mate located on the top of the lamp-housing wall.

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°.



Center lamp power lead as shown

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.

