

Start up

1. With the OmniCure® S2000 Elite system not connected to power, install the lamp module (See Page 3).
2. Install the Optical band pass filter (See Page 4).
3. Plug the unit into a properly grounded AC outlet.
4. Turn on the Power switch at the back of the unit.
5. The light ring will light up when power is turned on to the system, followed by the screen initializing a few seconds later. **The lamp will not strike at startup on Demo systems by default (this can be changed in the Settings – Default Lamp state).**

Note: If the Default Lamp state setting has been modified to ON, the lamp will strike at start-up. Allow the lamp to warm-up uninterrupted, DO NOT TURN SYSTEM OFF while the lamp is warming up!

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 sets with a positive click.

Note: When power to the unit is turned on and system is initialized, the light ring will change colors indicating the following states:

Red: Light Guide not detected

Blue: Light Guide inserted – System warming up

Magenta: Light Guide inserted – Closed-Loop Feedback Inactive

Yellow: Light Guide inserted – Closed-Loop Feedback Active, Calibration close to expiration

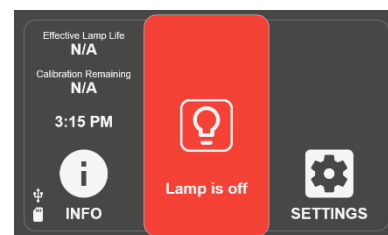
Green: Light Guide inserted – Closed-Loop Feedback Active



Using the OmniCure S2000 Elite

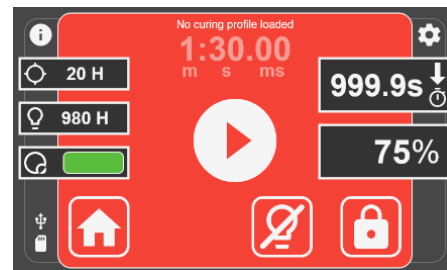
1. Following the initialization period, the OmniCure S2000 Elite will display 3 main options on the Home screen: Information, Run and Settings.
2. Information and Settings can be accessed while the lamp is turned off.
3. To start running exposures, press the Lamp icon to strike the lamp. Allow the lamp to warm-up (Excelitas recommends 20 minutes of proper warm-up to ensure stable optical output). During the warm-up period, the screen will indicate the minimum warm-up count-down.

Warning: UV light and elevated levels of visible light will be emitted from the end of the light guide.



Running Exposures

1. Enter the RUN screen by touching the icon on the LCD screen.
2. Exposures can be started by the START/STOP switch or by touching PLAY on the screen.
3. Exposures can be PAUSED and RESUMED until count down timer has run out. For count up timer, pausing and resuming can be done indefinitely.
4. To reset an exposure, it is necessary to PAUSE the exposure and touch the RESET icon. If count down timer has run out, the exposure will reset automatically.
5. You can exit to the HOME screen at any time as long as an exposure is not running (stopped or paused).



Setting the Exposure Time

1. Use the LEFT or RIGHT navigation buttons to change timer when in the Run screen.
2. Or press the timer window on touch screen and enter desired count down time on number pad.
3. Set value to 0 to set Count Up timer.

Setting the Intensity Level

1. Use the UP or DOWN navigation buttons to set intensity.
2. Or press the intensity window on touch screen and enter desired intensity on the number pad.
3. Calibration needs to be performed to enable intensity control in W/cm² and W.

Locking and Unlocking the System

1. On the RUN screen, select the LOCK icon and enter the PIN to lock the system (**Default PIN is 1234**)
2. When the system is locked, the user cannot exit the screen or change any of the exposure settings. The user can only initiate, stop, or reset the exposure using the Start/Stop button, Play Icon, or Foot Pedal. If running a StepCure® profile, user can only initiate, stop, or reset the exposure with the pre-defined inputs.
3. To unlock the system, select the UNLOCK icon and enter the PIN (**Default PIN is 1234**).

Note: The PIN can be changed by navigating to Settings → Advanced Setup → Screen Lock Pin.

Using the Foot Pedal / Remote Device (Rear Panel: 3.5mm Jack)

Depressing the foot pedal, or providing a momentary contact closure, provides the same function as pressing the start/stop button. The shutter opens as per the current mode (Intensity or Timer) of the unit.

Installing the Lamp Module

The OmniCure S2000 Elite curing system is available with the choice of two different lamps. UV1 standard curing lamp and UV3 Surface curing lamp. Choose the appropriate type of lamp for your curing needs:

Warning: Exposure to Mercury represents a health hazard to humans. When unpacking or installing the lamp, always wear protective clothing and a facemask.

1. Ensure the AC power cord is disconnected from the unit.
2. Remove the screws from the lamp access side panel using the tool (3mm allen key) provided 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.

Warning: Wear ESD protective equipment when handling the lamp and avoid touching the circuit board.

4. As illustrated, 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 6-pin Intelli-Lamp® sensor connector at the rear of the lamp module and connect it to its mate located behind the 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°.

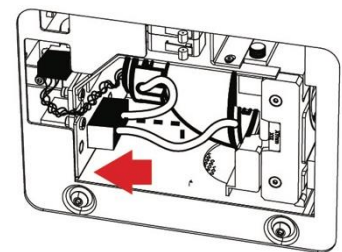
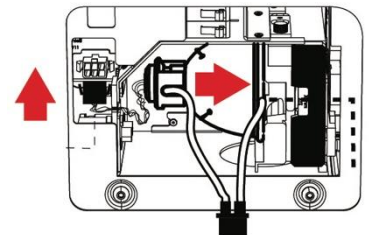
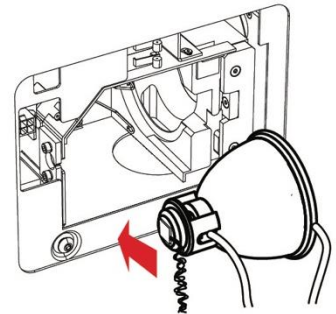
7. Tuck the Intelli-Lamp wires into the grommet located on the divider wall between the lamp and the connector.

Warning: Failure to do so will result in the door not fully closing and system will not power on.

8. 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°.

9. 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.
10. Replace the lamp housing side panel and tighten the fastening screws.



Installing the Optical Filter

The OmniCure S2000 Elite curing system is equipped with user-changeable optical filters cartridges. Seven different filter options are available to choose from:

400-500nm, 365nm, 320-390nm, 250-450nm, 320-500nm, no filter and customer filter.

Choose the appropriate optical filter for your curing needs:

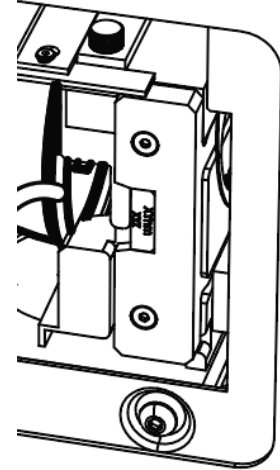
1. Ensure the AC power cord is disconnected from the unit.
2. Remove the screws from the lamp access side panel using the tool (3mm allen) provided and remove the panel from the unit cover.
3. Carefully remove the filter cartridge from its packaging and insert into the slot with the filter's model number tag pointing towards the lamp.
4. Secure the filter to the system using the provided M4 screws using the 3mm allen key.

Note: If the filter is removed and not replaced with another filter, it is recommended to fasten the screws back into the system until another filter is installed at another time. This will prevent the screws from being lost.

5. Replace the lamp housing side panel and tighten the fastening screws.
6. Reconnect the AC power cord and turn on the Power switch at the back of the unit to turn the system ON.

Note: If the filter is properly installed, the system will automatically recognize the type. It will be shown in the "Information" section of the GUI.

Warning: If the filter is not properly installed or fastened, the filter will not be recognized, and the lamp will not strike



Regulatory Information

Product Safety and Electromagnetic Compatibility

The OmniCure S2000 has been tested and found to comply with product safety and electromagnetic compatibility requirements. For a complete list of tests and for certification details, please contact your OmniCure representative or refer to the User Guide.

Council Directive 2014/35/EU	Low Voltage Directive
Council Directive 2014/30/EU	EMC Directive
Council Directive 2012/19/EU	WEEE Directive
Council Directive 2011/65/EU as amended by (EU) 2015/863	RoHS
Council Directive 2014/53/EU	Radio Equipment

FCC ID: 2AXSI-SSERIES

IC ID: 26590-SSERIES



WEEE Directive



China RoHS



CE Marking