Interlock Set-up

- **Key control** - Insert key on front panel of light engine, turn to “ON” position.
- **Remote interlock** - Insert green hardware plug in rear plate of light engine.
- **External gate** - Insert 3.5mm dia. jumper plug, or microscope specific plug on front panel.
- **Output aperture** - Insert liquid light guide (LLG) in front panel aperture and secure set screw; OR screw in optical fiber.

Turning Light Engine On/Off

- **Power cord** - First, plug in cord to light engine, and then to wall socket. Light engine will auto-start when plugged in.
- **Boot-up** - Initiation takes approximately 30s; fan will start and stop and then display will populate.
- **Front panel display** - Light engine is ready when display shows the IP address.
- **Shutdown** - Either press the power button on the front panel, or if GUI is operational, use the shutdown command.

Accessing the web-GUI

- **Ethernet cable** - Connect the light engine and computer with a standard Ethernet cable.
- **Computer use** - Change the computer’s IP address to 192.168.201.201 and the Subnet mask to 255.255.255.0. More information at https://goo.gl/AFv5kQ.
- **Light engine communication** - Navigate computer’s web browser to 192.168.201.200.
- **Using the web GUI** -
  - Turn color band on: Select any open circle next to a channel to turn it on.
  - Intensity control: Adjust with SW slider or ⚫ and define intensity; or click ⚫ and define power.

WebGUI - Settings Tab

- **System configuration**
  - USB 5V: ENABLE for POD usage; or DISABLE for PC usage (or for POD usage with external PS.)
  - TTL inputs: Set on/off channel control via ENABLED/DISABLED. Set TTL polarity: POSITIVE/NEGATIVE.
- **Legacy mode configuration**
  - Use “LEGACY” mode for control with pre-2018 releases of NIS Elements, MicroManager, MetaMorph and other third-party image acquisition control software packages.
  - Use “STANDARD” mode for control with software implementing the commands described in Lumencor’s Light Engine Command Reference (Document Number 57-10018).

Spectra III full manual here: https://goo.gl/ejKLHv

Further Questions? Contact Tech Support at:
techsupport@lumencor.com or call 503.213.4269 (ext. 1).