Lumencor

Light Engine Quickstart Guide
AURA, SPECTRA, CELESTA, ZIVA Light Engine Models

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 diameter jumper plug, OR connect microscope interlock cable.
- **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**: Connect DC power supply to Light Engine. Then connect DC power supply to wall socket to begin automatic power-up.
- **Boot-up**: Initiation takes approximately 30 sec; fan will start and stop and display will populate.
- **Front panel display**: Light Engine is ready when display shows the IP address.
- **Shut down**: 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**: Set the computer's IP static address to 192.168.201.201 and the Subnet mask to 255.255.255.0. More information in our LAN Set-Up document (54-10046) available for download from the Customer Center at lumencor.com
- **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 slider control to desired intensity level from 5-100% (operation in the range 0-5% is not recommended).

WebGUI - Settings Tab
- **System configuration**:
  - USB 5V: ENABLE for POD usage; or DISABLE for PC usage (or for POD usage with external power supply.)
  - TTL inputs: Set to ENABLED to use external TTL trigger. 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).

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

Warranty Registration

Your Light Engine comes with a warranty that ensures its performance for a minimum period of ownership and operation. Registration will facilitate the provision of any required warranty services should that be necessary.

Online registrants who complete the warranty registration form within 90 days of the original Light Engine shipment date will receive an additional, FREE six month extension to their existing warranty. You will receive a confirmation email upon registration completion.

Receive an Additional FREE 6 Months of Warranty!

To register your new equipment, please go to:
lumencor.com/support/warranty-registration

Operating Instructions

Lumencor's operating instructions serves as your go-to guide for understanding the features, functionalities, and optimal usage of your Light Engine. Whether you're a seasoned researcher or new to the world of solid-state illumination, our manual is designed to provide clear instructions on how to set up and operate your Light Engine.

At Lumencor, we're committed to not only delivering innovative technology but also supporting you every step of the way in your scientific endeavors, ensuring that you harness the full potential of your Light Engine with confidence and ease.

To access your operating instructions, please go to:
lumencor.com/customer-center/downloads?category =operating-instructions