

Labsphere, the world leader in light measurement, is proud to announce our **Next Generation** of LED and Light Characterizations with the **illumia Pro2** now with **Integral Version 4.0!**

Illumia Pro2 with Integral 4.0 adds significant new features. These changes improve the quality, user experience and functionality of the software and provide greater flexibility, added LED analysis capability and user-friendly features, all designed to enhance light measure production in one unified software package.

Learn more about illumia Pro2 at www.labsphere.com.

NEW FEATURES with illumia Pro2 and INTEGRAL 4.0

All the features from Integral 4.0 for Illumia Plus, plus the added control and analysis for the **New Illumia Pro2 Light Characterization Sphere systems.**

Integral 4.0 available now of illumia Plus software upgrade: Included with purchase of illumia Plus and illumia Pro2 systems.

New Integral Software Features

Added Light Source Characterization Lumen, Current, Voltage, Temperature (LIVT) Sweeps for Illumia Pro2 Systems

- Current/Voltage Mode
- Tolerance added to control when temperature is stable
- Settling time added to allow control for when the temperature is deemed stable
- Ability to trigger most** spectrometers with a Keithley 24## power supplies
 - **CDS 600/610 not yet implemented

New Temporal Settings Features

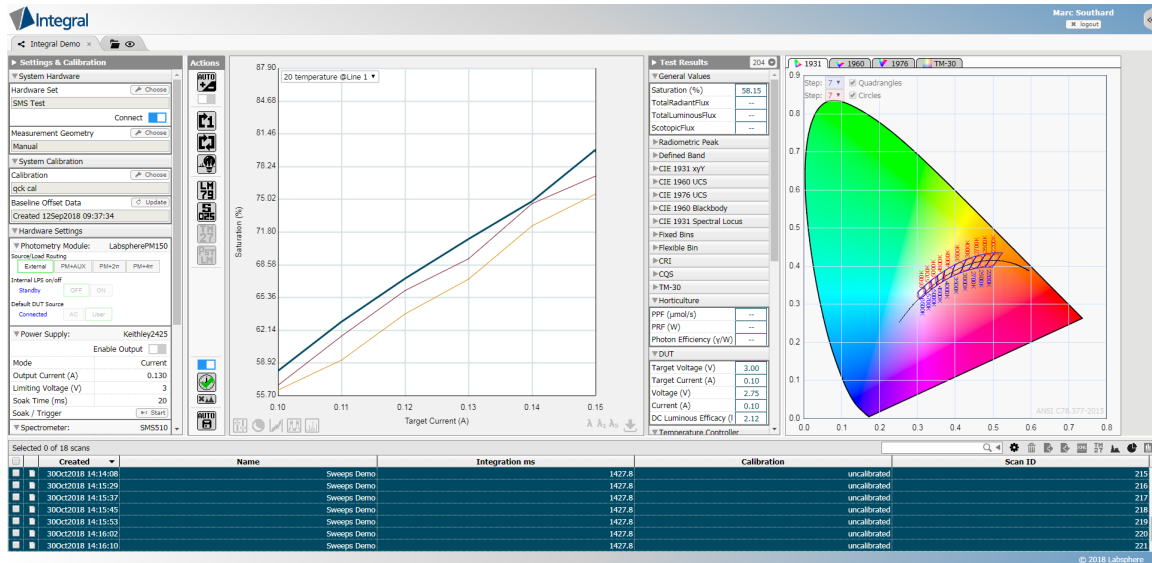
- All Test Result metrics added to x-axis
- y2-axis added
- LIVT Group By field

Screenshot of the Sweep Settings dialog box. It contains sections for DUT Settings (Power Supply Mode, Output Current, Increment Current, Limiting Voltage, Soak Time), TEC Settings (Target Temperature, Increment Temperature, Tolerance, Settling Time), Spectrometer Settings (Integration Time, Delay Time), and Save Settings (Autosave, Name, Description, Notes, Tags). Start and Cancel buttons are at the bottom.

Screenshot of the LIVT Sweeps dialog box. It shows TEC Settings (Target and Measured temperature), DUT Settings (Output Current, Limiting Voltage, Soak Time), Spectrometer Settings (Integration Time, Delay Time), Scanning Status (Completed), and Scanning Progress (1 of 18). A Cancel button is at the bottom right.

Charting Enhancements

- Improved zooming functionality
- Spacing added for y2-axis
- LIVT Group By legend added to select which group is highlighted
- Scan IDs have been added to group by details



Added Temperature Controller Settings

- New field added [Tolerance]
- New field added [Setting Time (sec)]
- [Measured Temperature] color is now based on [Tolerance]
- 2. UI Changes

UI Action and Settings Enhancements

- Check for duplicate save names <toggle> added
- Sweeps Icon added
- Toggle Temporal on/off
- Clear Waveform Chart

New UI elements: Various layout updates

YOUR INTEGRAL V4.0 UPGRADE INFORMATION

Labsphere's goal is to make the software upgrade process as seamless and effortless as possible for you, our valued customers.

Just go to the **direct link to Integral releases and updates from your Integral Menu**, or access registration for V3.0 by following the link below

<https://www.labsphere.com/support/software-downloads-private/>

Illumina Pro2 with Integral Version 4.0 Product Announcement -20190108

Complete the registration form and a Customer Service Representative will contact you with further instructions.

We look forward to our continued partnership with you and your company. If you have any questions, concerns or need help, please request Labsphere's Service Support by +1(603) 927-4266 or by e-mail at Labsphere@labsphere.com

We appreciate any feedback you can offer us on **Integral** software or any other Labsphere products or services.