



Labsphere, the world leader in lighting measurement, is proud to announce our **Next Generation of Integral® Version 5.0!**

Integral 5.0 adds significant new features. These changes improve the quality, user experience and functionality of the software to **meet and exceed the new LM-79-19 testing and reporting requirements** with greater flexibility. We have added new hardware and user-friendly features, all designed to enhance light measurement production in one unified software package.

NEW Enhancements and Features with INTEGRAL 5.0

New Hardware

- Labsphere's new ICM 500 Integral Control Module:
- NIRQuest 512 Spectrometer from Ocean Insight
- DC Power Supplies
 - Labsphere's LPS series programmable DCV power supplies
 - TDK Lambda GEN30-25
 - TDK Lambda GEN150-5
- Xitron XT2640 Power Meter
- Control Updates to Omega TC-08 Temperature Control Module

User Interface Enhancements

- Graphs and reporting
 - Waveform Graphs,
 - Colorimetry Graphs, and
 - "Test Results" section updated
- (X_{10}/Y_{10}) added to CIE 1964 10-degree observer
- A dropdown to CIE 1931 Color Space Graph which lets you select a Standard Illuminant
 - A
 - B
 - C
 - D Series
 - E
 - F Series
- New Luminous Flux Multiplier
- CAL lamp only option added to [Create Calibration]
- Continuous Scanning Timeout (min) feature added to spectrometer hardware settings
 - 1 minute minimum
 - Up to 96 hours
 - Scan Frequency updated from 30->60 minutes max
- Power Supply Setting: Toggle Remote Sensing

New Metrics

- Flicker-iP Metrics

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- Sample Rate (Hz) metric added to test results
- Scan Duration (ms) metric added to test results
- PstLM Scan Duration (ms) metric added to test results
- Export re-organized into data groups (device/data/time series)
- LM-82: added "Test Results" module for Tb/Td/Tint
- Power Meters: Added a disable metrics toggle to device settings
- LM-79/LM-82/S025 Stabilization Routines: Added Target Voltage/Current DUT metrics when applicable

Improved Performance and Compatibility

- Integral can now run in the new Chromium based Microsoft Edge browser
- jQuery has been updated to the latest version (3.4.1)

System Features (Main Menu -> Settings -> System)

- Download Spyder Logs
- Enable/Disable LSAPI Trace Logging
- Download Trace Logs

This and many more minor changes to enhance your experience and productivity.

Learn more about Labsphere's Illumia® Plus2 Systems and LM-79-19 upgrades Kits at www.Labsphere.com

YOUR INTEGRAL V5.0 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 V5.0 by following the link below

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

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