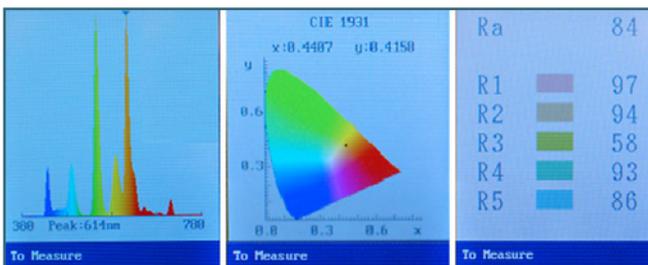
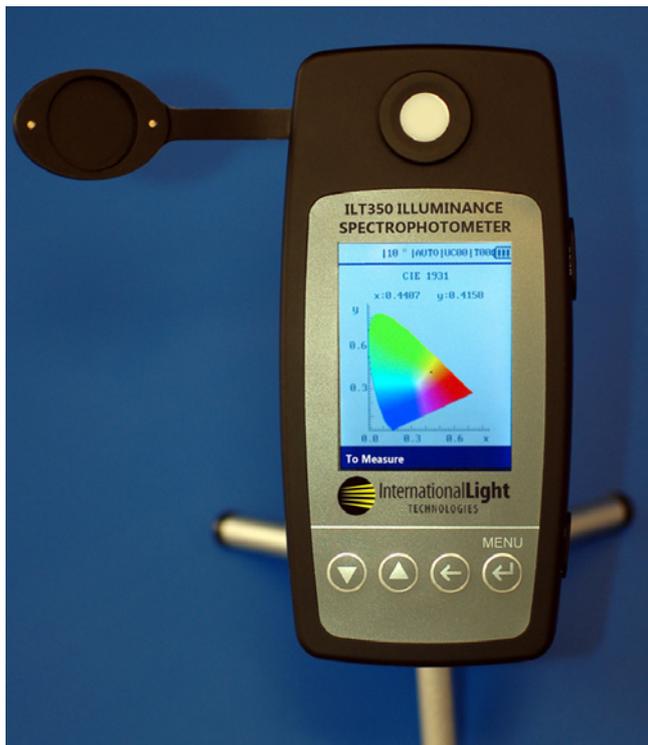


ILT350 Spectroradiometer



Specifications

Sony CCD linear image detector with 16 bit A/D resolution	
Measurement range	380-780 nm
Lux measurement range	20-100,000 lux
Irradiance measurement range	0.1 W/m ² ~500 W/m ²
PPFD (Plant growth/ PAR) measurement range:	0.3~1500 µmol/m ² *s
NIST traceable ISO17025 accredited calibration	
Data storage for up to 100 readings	
Windows XP, Windows 7 & Windows 8 Compatible Software	
Rechargeable battery lasts up to 6 hours	
OEM and/or custom instrument configuration inquiries welcome	

Features and benefits

- 3.5" full color display
- 10 full color displays for easy data analysis including: Lux, CCT, CRI, CIE1931 color spectrum, and more
- NIST traceable ISO17025 accredited calibration
- Hand-held, compact, ergonomic design
- Data storage for up to 100 readings
- Windows XP, Windows 7 and Windows 8 compatible software
- Easy to use internal, data capture software
- Rechargeable battery lasts up to 6 hours

Description

The hand-held ILT350 spectroradiometer was designed for portability, quality and ease of use. The housing design is ergonomic and light weight yet packed with features such as a built in full color display. Extensive data capture and analysis software, rechargeable battery and internal data storage. The menu buttons are intuitive and easy to use.

The built-in 12 mm diameter cosine receptor is protected by a magnetic rubber cap that remains attached to prevent loss or damage. The toggle buttons allows the user to easily scroll up and down to view readouts between lux & foot candles, spectrum, CRI, CCT, W/m² PPRF, µmol/m² *s and more.

The ILT350 has three measurement speeds including Fast (0.5 s), Slow (2.5 s) and Auto (0.5 – 27 s) depending on light intensities (20 lux to 100K lux). The spectral resolution is approximately 10 nm with an accuracy of ±3 nm. Relative spectral distribution data is exported in 1 nm increments using the light meter software.

The internal memory can store up to 100 files and export data into Excel/Work formats.

Ordering information

ILT-ILT350	ILT350 Spectroradiometer (includes Luxmeter manager software)
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ILT350 Spectroradiometer

Typical illuminance applications

- **Light box calibration – lamp quality and maintenance:**
For testing numerous types of light booths and color viewing lamps including D75/D65/D50, Fluorescent, Halogen, TL84/83, SPX35, and more. Many standards state specifications with regard to color quality, light intensity, evenness of illumination, and ambient conditions as differences in any of these conditions can affect color appearance. The ILT350 can test for lamp quality (CCT, CRI, lux, purity, spectrum etc.), ambient levels, as well as determine when light booths need maintenance (cleaning and lamp replacement).
- **LED billboard maintenance, construction & environmental pollution:**
Whether testing LED uniformity, color and intensity during installation and maintenance, or testing total output and color temperature for environmental impact, the ILT350's portability, single button operation and built in display make the ILT350 the ideal tool.
- **Simple reporting:**
The ILT350 lux manager software makes viewing measurements, exporting and sharing electronic data and creating reports as simple as taking the measurement itself. Lux Manager supports Windows, XP, 7, 8 and 10 and is included at no additional cost.
- **Architectural lighting & design:**
Light can be used to create a feeling of warmth and invitation. It can make colors look bold and make them pop. The incorrect color of light can also have damaging affects such as making meats look old, or labels look faded. Checking the color of lighting based on the unique application can add great benefit to the user. For example, using the ILT350 to improve a restaurant's lighting can make the surroundings look as "delicious" as the food they serve.

