

ILT350

Illuminance Spectrophotometer



Features:

- 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 ILT350 Illuminance Spectrophotometer is a low cost, easy-to-use lux and color measurement spectrophotometer with N.I.S.T. Traceable and ISO 17025 accredited calibration.

The device comes with a built in 12 mm diameter cosine correcting receptor and magnetic protective cover.

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. Data is provided in 1 nm increments.

The spectral bandwidth is approx 2.5 nm (half bandwidth) with +/- 0.3 nm wavelength accuracy.

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

Specifications:

- Sony CCD Linear Image Detector with 16 bit A/D resolution
- Measurement Range: 380- 780 nm
- Dynamic Range: 20-100,000 lux
- USB: Micro for data download
- Input optic: 12 mm diameter Cosine Receptor
- Temperature: 0-40 Deg C.
- Size: 160 x 75 x 43 mm
- Weight: 260 g
- CE certified: No RF noise.



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10 Technology Drive, Peabody, MA 01960
P: 978-818-6180
F: 978-818-6181
W: www.intl-lighttech.com

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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.