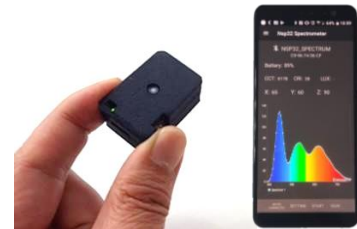


BLE Spectroradiometer

XL-500 is an ultra compact Bluetooth Spectroradiometer based on disruptive digital-nano convergence technology. While its size is compact, the features and performance is comparable to conventional industry popular equipment. It is easy and convenient to use as a portable device with smartphone app, as a spectrum recorder with internal memory and rechargeable battery. XL-500 is individually calibrated and provides device-to-device repeatability.



Demo @
 APP @

Features

- Spectral Power Density (SPD: W/m² per wavelength)
- Lux, PAR/PPFD
- X, Y, Z, CIE xy, CIE uv, CCT, CRI
- Individually calibrated
- Repeatability, device-to-device
- Memory for 8K measurements
- Ultra low power consumption (lasting more than 1+ month@every 5-minute measurement interval, within one charge)
- 3.7V LiPo rechargeable battery, charging via USB jack
- Wide operating temperature
- Bluetooth Low Energy(BLE) (SPI/UART version is available)

Potential Applications

- Human Centric Lighting
- Animal Centric Lighting
- Plant Lighting
- High-End LED Lighting
- Hospital, Classroom, Office
- Poultry, Swine
- Greenhouse, Plant factory/chamber
- Smart building

Key Parameters

Parameter	Value
Wavelength range	350nm ~1050nm (max.) different types available for different range
Resolution	10nm~40nm
Repeatability(peak)	1nm
SNR	> 100:1
Dynamic range	> 1000:1
Integration time	250us~, manual or auto
Measurement speed	100ms per spectrum measurement
FOV(field of view)	> +/- 60 degree
Low power consumption	76uA @standby mode 25mA@full operation
Operation temperature	0°C ~ 60°C
Dimensions (L*W*H)	39mm * 26mm * 16mm
Weight	28g

Any Question : info@nanolambda.net

