

HELIOS Uniform Light Source - A FAMILY

Albedo Sunlight Levels and Halogen Spectrums for Full Testing Solutions



Great solution for “Test As You Fly” applications

The HELIOS A Family systems are the ultimate expression of uniform calibration source technology allowing you to test with spectrums and levels that are equivalent to solar outputs. Labsphere has employed Xenon sources for bluer spectrum for many years, but in the A Family we have added cutting edge Electrode-less Plasma lamps that have incredible lifetime, light level outputs and radiometric stability. The A Family allows you to confirm all your testing with classic QTH and augment your characterization to test as you fly in with traceable solar-like light.

- Great solution for R&D and laboratory test flexibility
- Included CCD spectrometer and systems are compatible with Labsphere’s full family of CDS spectrometer technology
- All options in HELIOS available for A Family inclusion: Easy to configure a system to meet your exact requirements
- High level of absolute characterization

Performance

- Test As You Fly: Solar and QTH spectrums from 250 - 2500 nm
 - Plasma 3000K to 5300K adjustable CCT and spectrum
 - Xenon 3000K to 6500K adjustable CCT and spectrum
- Large Dynamic Light Range:
 - >Albedo 0 (AM 0) down to night vision light levels
 - Cameras and sensors >16bit, actual 23bit (150dB)
 - Resolution and adjustability to meet customer’s application and budget needs
- UV (<380 nm) ranges available