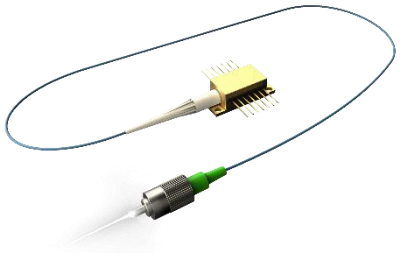
Superluminescent Diode Light Source (SLED)
Optical Spectral Engine (OSE1)



DAYY Photonics Corporation superluminescent light-emitting diode (SLED or SLD) is a superluminescence-based edge-emitting semiconductor light source that combines the high power and brightness of a laser diode with the low coherence of conventional light-emitting diodes.

Our light source product family comes in a wide range of center wavelengths and spectral bandwidth ranging from 770nm-1700nm. The light source is packaged in a 14-pin industry standard butterfly package meeting Telcordia GR-468, RoHS/Reach standards.

Our Light Source covers all the bands needed for broadband and high- power requirements, our SLED-based light sources will cover all the main bands used in telecom applications, and communications and test applications. Our product family is ideal for broadband applications, and passive component testing, as well as fiber- optic sensing, spectroscopy and more.

KEY FEATURES

- Broad product range
- Center Wavelengths ranging from 770nm – 1700nm
- Bandwidths (FWHM) ranging from 10nm to 100nm
- Light output: FC/APC Connector (Optional FC/PC or SMA)
- Single mode (SM) or Polarization maintaining (PM) fiber
- Low degree of polarization options with DAYY's Photonics driver module ISB1
- Superior Power and spectral coverage
- Telcordia GR-468 certification and RoHs compliance
- Low coherence length
- Low spectral ripple
- Relative intensity noise (RIN) -140dB/Hz – 125dB/Hz
- Direct modulation up to 600Mhz for specific models

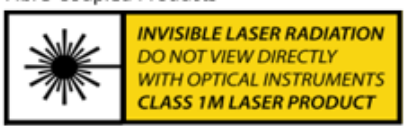
APPLICATIONS

- Optical Component Testing
- Telecom Test Equipment
- Medical Optical Coherence Tomography
- Industrial Optical Coherence Tomography
- Industrial and Biomedical Imaging Systems
- Optical Sensing
- Test and Measurement
- Research and Development

RoHS Pb FREE

REACH COMPLIANT

Fibre-Coupled Products



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