Chromatiq Spectral Engine

High-Fidelity Spectrum Matching

The Chromatiq Spectral Engine (CSE™) is a sophisticated light source capable of matching real-world lighting conditions or programmed spectra.
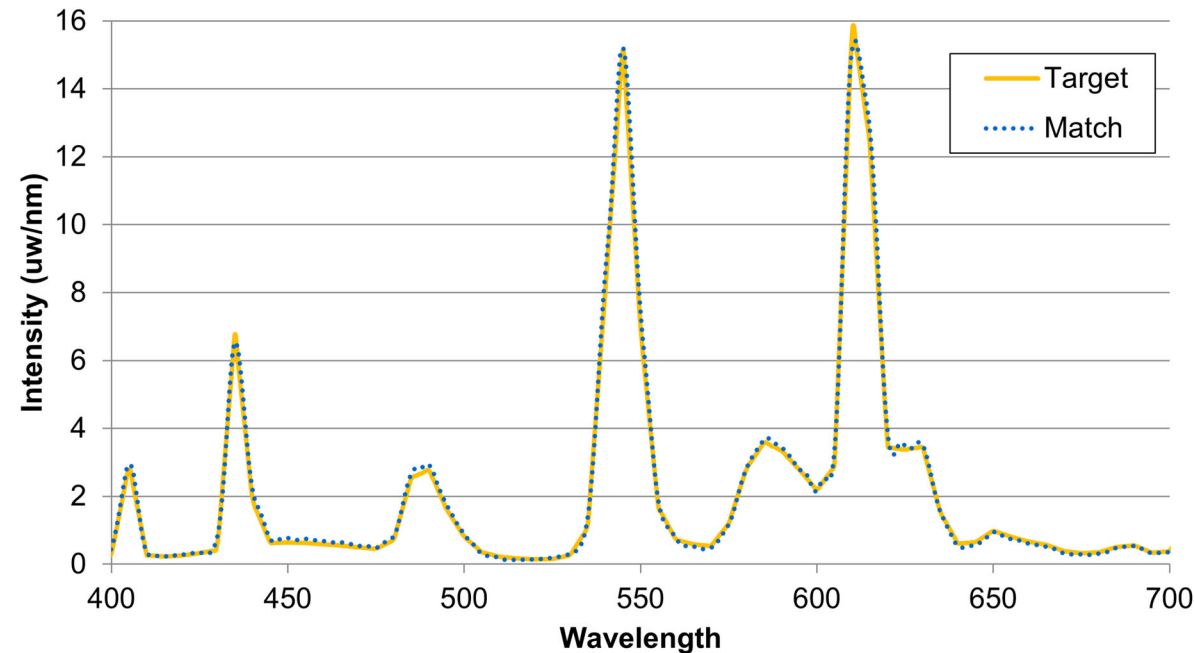
The CSE offers unparalleled spectral match accuracy, repeatability, and speed to optimize optical testing and calibration procedures in the production environment. It allows users to emulate real-world lighting conditions, combine spectra from multiple sources, and create unique, dynamic spectra to fulfill demanding applications. It offers unparalleled spectral match accuracy, spectral resolution, and repeatability across an unmatched dynamic range.

The CSE has been developed with automated calibration workflows in mind and easily integrates into any optical test protocols. The host application includes sophisticated automated spectrum matching algorithms and a flexible user interface that enables system configuration, spectrum matching, creation of custom spectra, and definition of trigger sequences.

CSE-EQ-99-VIS Performance Specifications:

Wavelength Range	380 nm – 780 nm
Spectral Resolution	$\leq$ 4.5 nm
Switching Speed	$\leq$ 100 ms
Output Type	6.5 mm liquid light guide

Example Match: CIE F12

Features & Benefits

- High-fidelity spectral matching
- Combine and create unique spectra
- Integrate into automated calibration and testing systems

Press Release

Energetiq celebrates launch of Chromatiq Spectral Engine

The CSE allows users to emulate real-world lighting conditions, combine spectra from multiple sources, and create unique, dynamic spectra to fulfill demanding applications.

Read the full Press Release:

[Create unique, dynamic spectra with the Chromatiq Spectral Engine™, the newest innovation from Energetiq Technology](#)

Questions?

Contact Energetiq
info@energetiq.com

Global Sales

Our LDLS products are distributed by Hamamatsu Photonics.

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