

Irvine Lighting Center of Excellence

Centralizing evaluation services and technical expertise

CSA Group's new Lighting Center of Excellence in Irvine, California provides comprehensive services for Lighting manufacturers. You can trust our experienced team to help you navigate the applicable standards and requirements for LED safety testing and certification, performance testing, global market access, and more.

CSA Group's Lighting Center of Excellence is recognized and accredited to provide a comprehensive set of services, including:

- Nationally Recognized Testing Laboratory (NRTL) safety testing and certification
- IECEE Certified Body (CB) Scheme for global market access
- Testing for Conformité Européenne (CE) Attestation
- Photobiological performance and safety testing (IEC 62471 and IEC 60825-1)
- Photometric performance testing, including:
 - LM-79
 - Sphere
 - Goniometer
 - CAU (Color Angular Uniformity)
- Horticultural performance testing
 - PAR (Photosynthetically Active Radiation)
 - PPF (Photosynthetic Photon Flux)
 - PPFE (Photosynthetic Photon Flux Efficacy)
 - PPDF (Photosynthetic Photon Flux Density)
- IES file generation
- Flicker & Dimming testing
- Acoustic testing
- In-situ temperature testing
- IP (Ingress Protection) testing
- Cables and plugs

CSA Marks for Lighting



Meets Safety Standards for Products Sold in the U.S. and Canada



Meets Safety Standards for Products Sold in the U.S. and Canada and U.S. DOE, EPA and Natural Resources Canada (NRCAN) Energy Requirements



Meets U.S. DOE, EPA, Natural Resources Canada (NRCAN) Energy Requirements and Provincial Energy Efficiency Regulations

CSA Group services to support your lighting product evaluation projects

- Product Testing and Certification
- Consumer Product Evaluation
- EMC (Electromagnetic Compatibility) and Radio Testing
- Energy Efficiency Verification
- Global Market Access
- Technical Information Services
- Functional Safety
- Cybersecurity Evaluation and Assessment

Relevant Accreditations and Recognitions

- CEC (California Energy Commission)
- DLC (Design Lights Consortium)
- EPA (U.S. Environmental Protection Agency) including ENERGY STAR®
- IAS (International Accreditation Services)
- IEC (International Electrotechnical Commission)
- NRCan (Natural Resources Canada)
- NVLAP (National Voluntary Laboratory Accreditation Program)
- OSHA (Occupational Safety and Health Administration) as a NRTL (Nationally Recognized Testing Laboratory)
- SCC (Standards Council of Canada)

Why CSA Group?

When you work with CSA Group, you will interact directly with the certifier and/or technician assigned to your project. This gives you direct access to a wealth of technical expertise in the standards that affect your business and helps your compliance testing run efficiently.

In the unfortunate event of a failure or non-compliance, our experts provide detailed reports of the findings to help you understand where the product did not meet the requirements, so you have the information you need to make the necessary corrections and get your project back on track.

The CSA Group Difference

Rely on an internationally recognized company with over 100 years of expertise and knowledge. From our early beginnings developing standards for railway bridges to today's latest sustainable technologies, we're always looking forward and developing innovative standards and testing programs for the most advanced and emerging technologies. Drawing on our industry accreditations, our customer-focused experts can meet your unique testing, inspection, and certification needs. That's how we're committed to your business.

Let's work together

Put CSA Group's industry-leading knowledge and experience to work for you.

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🌐 csagroup.org/lighting