HOME & COMMERCIAL

Take Advantage of New Growth Opportunities in the Lighting Industry

OVERVIEW

Evolutions in smart homes, LED technology, and energy efficiency are changing the face of the lighting industry. Success in competitive global markets means keeping pace with the speed of this innovation.

As a leader in lighting testing, CSA Group invented a phosphor testing protocol for LEDs and new characterization methods for horticultural lighting. We apply this commitment to innovation and passion to every service we offer, so you can bring your products to market with confidence.

WHO IS THIS STANDARD INTENDED FOR?

Lighting standards apply to all lighting products in North American and global marketplaces and vary by region. This includes LEDs (drivers, modules, self ballasted LED tubular and LED lamps), luminaires, outdoor lighting, recessed lighting, HID lighting, fluorescent ballasts, LED and fluorescent retrofit kits for luminaires, compact fluorescent lamps, low-voltage lighting, track lighting, underwater fixtures, exit signs, and lighting controls.

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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 create custom solutions that meet your unique testing, inspection, and certification needs. That's how we're holding the future to a higher standard.

Standard Outline

CSA Group can help speed your time to market, increase your competitive advantage, and lower product return rates while working with you to create a more sustainable planet. Here are some benefits and services we offer:

- As a one-stop provider, we can streamline your product testing program to include safety, performance, cybersecurity, and energy-efficiency testing and verification to help reduce your time to market and save you money.
- Our full photometric reports are accepted by Energy Star®, DesignLights Consortium® (DLC), California Energy Commission, the Department of Energy (DOE), and Natural Resources Canada (NRCan).
- Whether it's reviewing a prototype design, or testing and measuring the photon flux of a finished product, CSA Group has the expertise to help.

Related Standards

Our proven experts are ready to test your lighting products against a wide range of North American and international testing protocols, including:

- Photometric and lumen maintenance testing – LM 79, LM 80 and LM 84 luminaire testing
- Phosphor and fluorescence Testing
- LED horticultural luminaire testing
- CEC Title 24 Joint Appendix 8 (JA8)
- Eye safety (ANSI/IESNA RP-27)
- Unified glare rating
- Flat panel display testing
- High-irradiance stress testing
- ET LED characterization (electrical-thermal-optical)
- Angular distribution characterization
- IESNA TM-21 (Technical Memorandum)
- IEC 60598-1 for Ingress Protection (IP Code)
- CAN/CSA-C22.2 No. 62471:12 photobiological safety of lamps and lamp systems
- IEC 62471 (CIE S009)
- IEC 60825-1

LET'S WORK TOGETHER

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