Making trusted connections in the lighting industry
Global lighting solutions
UL.com/lighting

Empowering Trust®
Facilitating market readiness through responsiveness, expertise, and integrity.

UL works closely with the entire lighting supply chain providing solutions for designers, manufacturers, government agencies, regulatory authorities, showrooms, consumers and more.

Our services

Safety testing
- Component certification
- UL Data Acceptance Program (DAP)
- Field inspection service
- Hazardous location certifications
- Recertification review

Performance and energy efficiency
- Airtightness testing
- Accelerated aging
- Benchmark testing
- Energy efficiency certification
- Energy efficiency testing
- Reliability testing
- Vibration testing
- Field measurement services

Global Market Access

Cybersecurity

EMC testing

UL Verified Mark

Product categories

Residential and consumer lighting
- Indoor and decorative
- Outdoor and landscape
- Portable luminaries
- Seasonal

Commercial and professional lighting
- Office and industry
- Retail and hospitality
- Hazardous location luminaries
- Horticultural and agricultural
- Stage and studio lighting
- Electronic ignitors and retrofit kits
- Healthcare lighting
- Emergency lighting

Infrastructure lighting
- Roadway and area lighting
- Pole mounted luminaries
- Tunnel and bridge lighting

Transportation lighting
- Automotive headlamps and luminaires

UL’s services help companies:

- Demonstrate Safety
- Confirm Compliance
- Enhance Sustainability
- Manage Transparency
- Deliver Quality & Performance
- Protect Brand Reputation
- Build Workplace Excellence
- Strengthen Security
- Advance Societal Wellbeing
Energy efficiency

The growing emphasis on sustainability means you need to meet demanding efficiency benchmarks in order to bring products to the global market. Our energy efficiency testing services can confirm your compliance to current energy efficiency requirements in your target markets and help keep you ahead of the curve on new and evolving regulations and industry standards. UL is accredited to test the following energy efficiency programs:

- California Energy Commission (CEC) Title 20, 24
- Department of Energy (DOE)
- DesignLights Consortium® (DLC)
- ENERGY STAR® (EPA)
- ENEC Plus (ENEC+) scheme
- European Energy Efficiency (ErP)
- Lighting Facts®
- Natural Resources Canada (NRCan)
- Other regional or global energy efficiency programs

Our performance tests help you demonstrate compliance with industry, national and international standards by using data from an objective, independent source. We test performance by simulating anticipated everyday usage in controlled laboratory settings, providing objective confirmation of lighting product safety performance claims.

Navigating the regulatory landscape of global markets is a complex and challenging task. By collaborating with UL to handle your global market access needs, you can tap into UL’s experts and facilities throughout the world.

Safety testing on a global scale

Fully equipped laboratories for electrical safety testing intended to obtain access to the global market.

This information is for guidance and illustrative purposes only. The map represents some of the marks and certificates that UL may be able to assist you in obtaining if your products meet all the applicable requirements.

Performance solutions

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We test performance by simulating anticipated everyday usage in controlled laboratory settings, providing objective confirmation of lighting product performance claims.

Our capabilities include:

- Accelerated Stress Testing
- Claims Validation
- Competitive Benchmarking
- Corrosion and Salt Fog
- Design Verification
- Electrical Testing
- Environmental Testing
- Flicker Testing
- Horticultural Testing
- IP/IK Testing
- ISTA Package Testing
- Lifetime Testing
- Mechanical Testing
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The Internet of Things (IoT) has given rise to a whole new generation of connected products—wearable, security cameras, speakers, cars and even toasters that can talk to each other and are network-enabled. As more smart features and connections are added, the security of such systems is often only as strong as its weakest link.

Our IoT Security Rating is the world’s first security verification and labeling solution for consumer IoT products. The goal is to make security transparent and accessible, while supporting consumers in making conscious purchasing decisions. The IoT Security Rating offers manufacturers and distributors a means to demonstrate IoT security for compliance and differentiates the marketplace via a UL Verified Mark security label. The IoT Security Rating features five security levels, ranging from minimum baseline to more comprehensive security capabilities.

The UL Cybersecurity Assurance Program (UL CAP) for lighting offers testable cybersecurity criteria to assess software vulnerabilities and weaknesses, minimize exploitation, address known malware, review security controls and increase security awareness.

UL provides a full-service program to make products ready to connect securely:

- Advisory/training in security readiness
- Evaluation and risk assessment
- Testing security criteria based on IEC 62443 and ANSI/CAN/UL 2900, the Standard for Software Cybersecurity for Network-Connectable Products
- Certification based on applicable cybersecurity standards

Upon completing a security assessment, the evaluated product is awarded the achieved security level—Bronze, Silver, Gold, Platinum, or Diamond—which is displayed through the UL Verified Mark.
For General inquiries, please contact:
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W: UL.com/Lighting

For Performance / Energy Efficiency Testing inquiries, please contact:
E: PerformanceSolutions@ul.com
W: UL.com/PerformanceLighting

For Global Market Access (GMA) inquiries, please contact:
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