

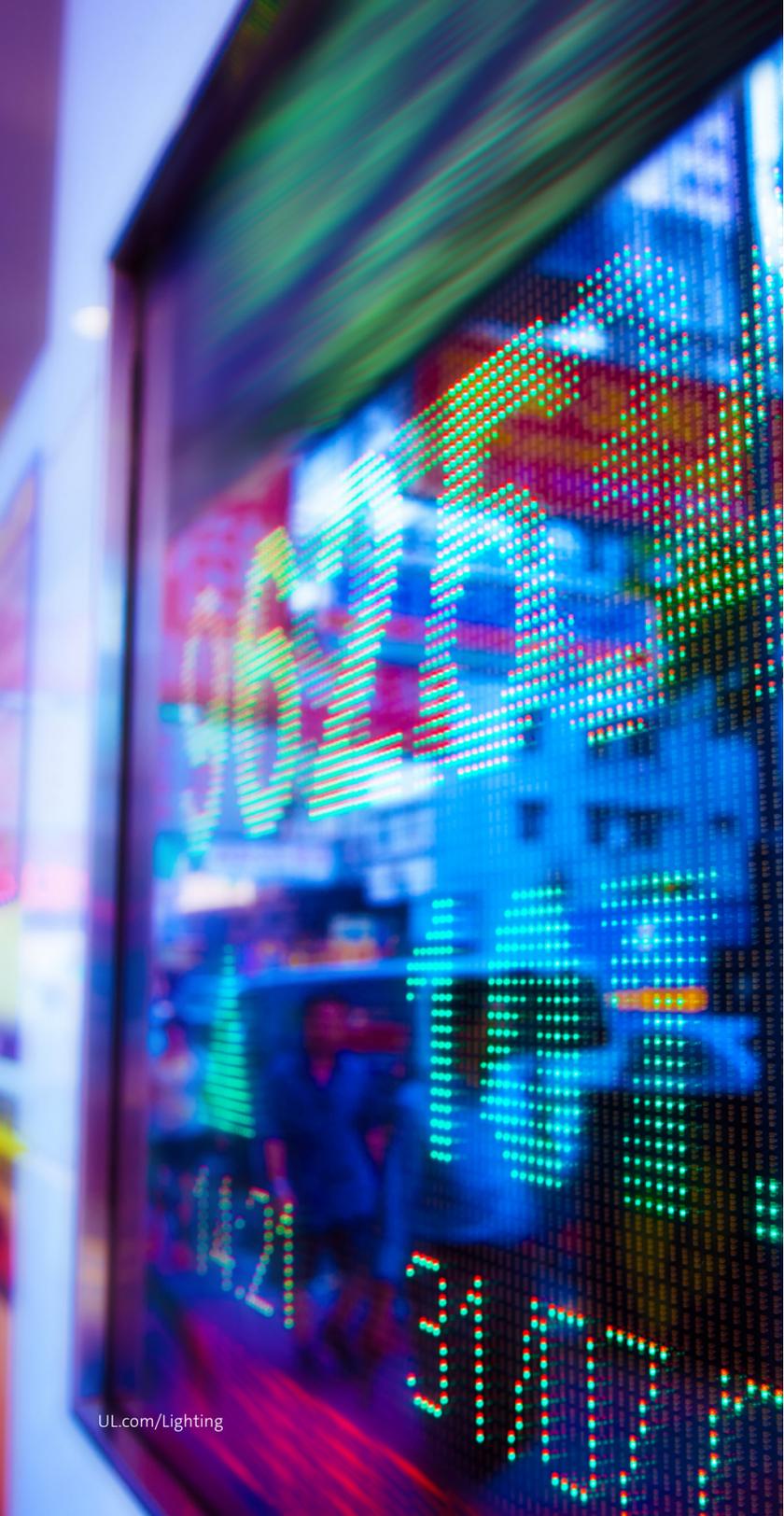
# Making trusted connections in the lighting industry

Global lighting solutions  
[UL.com/Lighting](http://UL.com/Lighting)



Solutions

Safety. Science. Transformation.™



# Meeting supply chain demands through responsiveness, expertise, and integrity.

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



**Knowledge you can trust**



**Speed & efficiency**



**Single-source provider**



**Global reach & access**

# Our services

## Safety testing

- Component certification
- UL Data Acceptance Program (DAP)
- Field inspection service
- Hazardous location certifications
- Pre-certification 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 luminaires
- Seasonal

## Commercial and professional lighting

- Office and industry
- Stores and hospitality
- Hazardous location luminaires
- Horticultural and agricultural
- Stage and studio lighting
- Electric signs and retrofit kits
- Healthcare lighting
- Emergency lighting

## Infrastructure lighting

- Roadway lighting
- Pole mounted luminaires
- Tunnel and bridge lighting

## Transportation lighting

- Automotive headlamps and luminaires

# UL Solutions services help companies:



Demonstrate Safety



Confirm Compliance



Enhance Sustainability



Manage Transparency



Deliver Quality & Performance



Protect Brand Reputation



Build Workplace Excellence

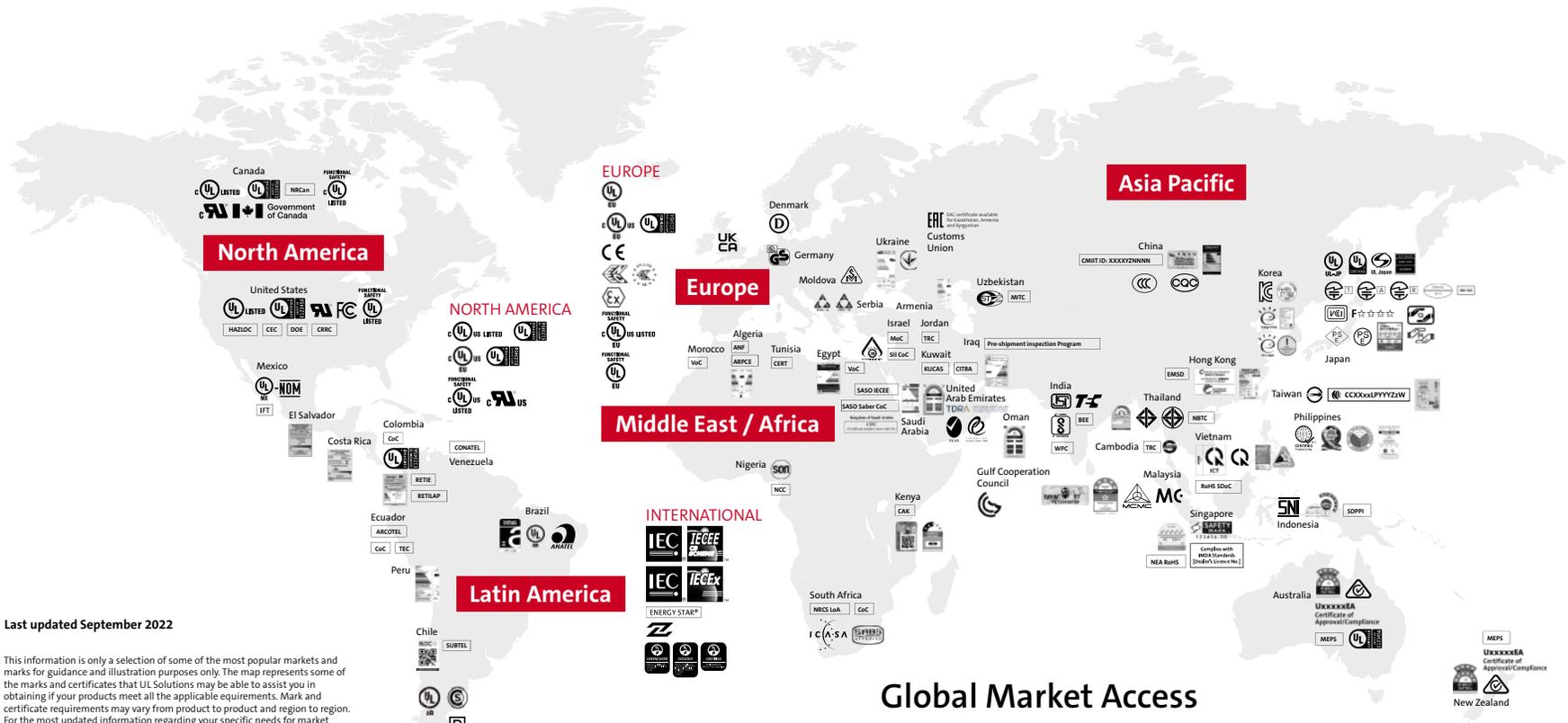


Strengthen Security



Advance Societal Wellbeing





Last updated September 2022

This information is only a selection of some of the most popular markets and marks for guidance and illustration purposes only. The map represents some of the marks and certificates that UL Solutions may be able to assist you in obtaining if your products meet all the applicable requirements. Mark and certificate requirements may vary from product to product and region to region. For the most updated information regarding your specific needs for market access, please contact your local UL Solutions representative.

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### Global Market Access

Receive the latest updates on [UL.com/market-access-portal](https://www.ul.com/market-access-portal).



# \* Safety testing on a global scale

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

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

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

Market	Certification/Mark
North America	cULus
Europe	ENEC15
IECEE	CB scheme*
China	CCC
Mexico	NOM
Korea	KC Mark

Market	Certification/Mark
Japan	PSE
Australia/ New Zealand	CoA- CoS/ RCM mark
India	BIS CRS
Brazil	INMETRO
Saudi Arabia	SASO CoC

\*54 member countries

## 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. Our global team actively participates in standards development and can help keep you ahead of the curve on new and evolving regulations and industry standards.

### UL Solutions 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®
- ENEC Plus (ENEC+) scheme
- European Energy Efficiency (ErP)
- Lighting Facts®
- Natural Resources Canada (NRCan)
- Other global energy efficiency programs

## Performance solutions

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 performance claims.

### Our capabilities include:

- Accelerated stress testing
- Claims Validation
- Competitive Benchmarking
- Corrosion and Salt Fog
- Design Verification
- Electrical
- Environmental
- Flicker Testing
- Horticultural
- IP/IK Testing
- ISTA Package Testing
- Lifetime
- Mechanical
- Photobiological (IEC62471/IESNARP-27)
- Photometry (IESNA, EN, UNI)
- R&D Testing
- Reliability
- Thermal Shock
- Ultraviolet (UV)
- Vibration Testing





## EMC

### Testing of electromagnetic compatibility of drivers and luminaires

Electromagnetic compatibility (EMC) testing analyzes the ability of electronic devices to operate as expected in proximity to other electronic devices or in the presence of electromagnetic emissions.

We provide emissions and immunity testing or pre-evaluations to regional and international EMC requirements, including:

- Electromagnetic Compatibility (EMC) Directive or applicable EN standards
- U.S. Federal Communications Commission
- Innovation, Science and Economic Development (ISED) Canada

## UL Verify

### Inform your purchase decision with confidence

The marketplace is filled with millions of brands and a barrage of choices, making it nearly impossible to distinguish fact from fiction. UL Marketing Claim Verification and the UL Verified Mark deliver the confidence to know that a brand's marketing claim is accurate, truthful and credible.

We verify that the marketing claims made by a brand about their products, processes, systems or facilities are credible — helping buyers make smarter, more informed purchasing decisions.

- Distinctive and credible proof of marketing claim
- Differentiated program and claim language
- Competitive and tangible UL Verified Marks.

**Claim language  
goes here**



# IoT Security Rating

## Testing of electromagnetic compatibility of drivers and luminaires

The Internet of Things (IoT) has given rise to a whole new generation of connected products – wearables, security cameras, speakers, cars and even toasters that can talk to each other and are network-connectable. 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 differentiation in 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.



*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.*

# Cybersecurity

## Solutions to power smart lighting connectivity

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 Solutions 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



**Contact your local UL Solutions team:**

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