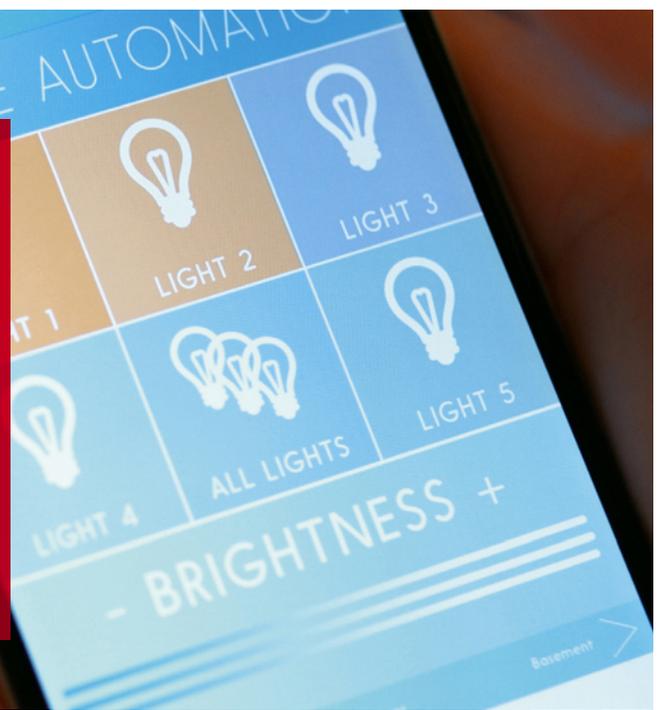


Smart solutions for your connected lighting products

Empowering connectivity, performance,
safety and security



UL Solutions tests that your smart lighting products connect seamlessly, safely and securely.

Smart products operate on trust

Launching smart products comes with a handful of challenges. We help you mitigate the market risks, empower innovation, and enhance security and safety – which can lead to positive brand experiences, loyalty and preference.

Our Smart Solutions package helps you deliver the smart connected lighting that will connect quickly, consistently, and safely. Consumers should be able to enjoy and trust the performance of these products without difficulty and unintended consequences.

Interoperability testing

We help solve for connectivity issues in all stages of the smart product and software development cycle so that consumers can continuously stay connected with their smart lighting easily.

When you work with us during product development or before major software updates, we can help you identify and resolve issues before they affect consumers. Our experienced engineers take an end-to-end, consumer-centric approach to testing smart lighting.

Our testing services cover:

- Compatibility to mobile phones and apps version
- Wi-Fi interoperability
- Bluetooth Interoperability
- Software reliability performance
- User experience
- Video and log capturing of errors

Electromagnetic compatibility (EMC) and wireless

We offer comprehensive EMC and wireless testing, certification and Global Market Access for all wireless products. We leverage expertise, state-of-the-art technology and our global footprint to help you navigate market complexities and innovate with confidence.

Scientific rigor, ethical principles and independence are at the core of our services. Our comprehensive support and guidance from design concept to product completion helps to accelerate project fulfillment. We can guide you through every step of the compliance process to help your wireless products meet the requirements in your target markets.

Testing and certification services include:

- EMC and radio
- Cellular module integration
- Radio frequency (RF) human exposure and evaluation
- Wireless charging
- Global Market Access



90% of consumers
READ ONLINE REVIEWS
before visiting a business

88% of consumers
TRUST ONLINE REVIEWS
★ as much as 
personal recommendations

86% of people
WILL HESITATE TO
make a purchase from
A BUSINESS THAT HAS
negative online reviews

Star rating is the **★★★★☆**
NUMBER ONE FACTOR
used by consumers
TO JUDGE A BUSINESS

A NEGATIVE REVIEW
can drive away
40% *of potential*
customers



Cybersecurity

According to Gartner, 20.4 billion connected products will be in use by 2020. However, while manufacturers are eager to go to market with IoT products, building security measures into these devices often remains an afterthought. IoT cybersecurity for connected products is a major risk that impacts manufacturers, suppliers and end application users.

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.

Cybersecurity services include:

- | | |
|---|---|
| Training | Compliance/Certification |
| <ul style="list-style-type: none">• Security by design | <ul style="list-style-type: none">• IoT Security Rating• UL 2900• IEC 62443 |
| Advisory | |
| <ul style="list-style-type: none">• SDL gap analysis• Supplier Cyber Trust Level | |

Don't let concerns over connected performance and safety delay bringing your connected lighting solution to market or compromise its brand performance or reputation. Create connected trust with our complete suite of testing and certification solutions.

Learn more at [UL.com/Lighting](https://www.ul.com/Lighting) or contact your local team:

In the Americas: LightingInfo@UL.com

In Europe: AppliancesLighting.EU@UL.com

In GC: GC.LightingSales@UL.com

In ANZ: CustomerService.ANZ@UL.com

In ASEAN: UL.ASEAN.AHLSales@UL.com

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Safety. Science. Transformation.™