



BSMI certification services for lighting products

Accelerate time to market with global market access from UL Solutions

When manufacturers want to sell their products around the world, the most difficult problem they often face is the different regulatory systems in each country. With consumers making security and trustworthiness a top priority in their buying decisions, businesses today need more support than ever in navigating the complex regulatory compliance process.

We are a single-source provider of global certification services with resources that can help companies achieve market entry into specific countries or multiple regions, helping you save time and money.

Requirements for the Taiwan market

The Taiwan Commodity Inspection Schemes (TCI Schemes) are administered by the Bureau of Standards, Metrology and Inspection (BSMI). The BSMI Safety Mark, also known as CNS Mark Certification System, is a mandatory requirement for electrical and electronic products like lighting under the Commodity Inspection Act, and testing for certification must be done by BSMI or an authorized certification body such as UL Solutions.

Before shipment from the manufacturer to Taiwan and acceptance at the port of entry, lighting products must be proven to comply with Taiwan's inspection requirements. The certification mark demonstrates a product's compliance with Taiwan standards and compliance of the manufacturer's quality management system with ISO 9001 requirements.

UL Solutions services provide the certifications necessary for entry to the Taiwan market

Our Taiwan lighting laboratory has capabilities for European and North American compliance testing and certification services and is a BSMI-accredited testing laboratory that provides certification to CNS standards in several product categories.

The UL Solutions laboratory in Taiwan covers testing and certification for the following lighting product categories:

- Luminaires for general indoor lighting.
- Desk, table, bedside or floor lamps for general indoor lighting.
- Low-voltage AC preheat-start type straight tube, ring tube and instant start hot cathode fluorescent lamps for general lighting.
- Ballast built-in fluorescent bulb.
- Ballast built-in light emitting diode (LED) bulb.
- AC ballast for hot cathode fluorescent lamps.
- Hot cathode fluorescent tubes/bulbs.
- Lights for aquariums.
- God lamps.
- String lights for Christmas trees (LED tube regulations began in 2022).

The specific CNS categories covered are:

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| CNS 61347, CNS 61347-2-13 (light source control devices - Part 1: General Rules and Safety Requirements) | CNS 15015 (outdoor landscape lighting fixtures) |
| CNS 15174 (LED module switch, DC power supply electronic control device - performance requirements) | CNS 14546 (LED traffic signal lamp surface and light box) |
| CNS 15233 (LED streetlighting) | CNS 14555 (LED text display type traffic information signs for roads) |
| CNS 15437 (LED light steel frame light) | CNS 14165 (IP Test) |
| CNS 15497 (LED flood light) | CNS 14676-5 (surge) |
| CNS 15630 (LED bulb) | CNS 15592 (photobiological safety) |
| CNS 16027 (LED tube) | CNS 5065 (illuminance measurement) |
| CNS 16047 (LED panel light) | CNS 12112 (indoor workplace lighting) |
| CNS 16069 (LED streetlights for high-speed/fast roads) | CNS 8886 (salt spray test method) |
| CNS 15436 (LED bulbs with built-in ballasts for general lighting - safety requirements) | CNS 3627 (environmental test methods (electrical, electronic) – salt spray test) |
| CNS 15438 (dual cap straight LED lamps - safety requirements) | CIE TN 006-2016 (flashing) |
| CNS 15829 (dual cap LED lamps for fluorescent lamp replacement - safety requirements) | CIE 140 (road lighting calculation) |
| CNS 15983 (G5/G13 dual cap integrated LED lamps - safety regulations) | IES TM-21 (LED lumen maintenance) |
| CNS 15357 (LED modules for general lighting - safety specifications) | ISO 8995-1 (indoor workplace lighting) |



We help manufacturers manage compliance risk and gain faster access to global markets, while providing products with widely recognized market differentiation.

Additional services for the Taiwan market

In addition to the mandatory BSMI certification services, we are also able to provide other value-added services that increase the confidence in the manufacturers' products entering Taiwan:

- **Taiwan Energy Conservation Label** – Global climate change has increased energy conservation concerns, making product energy efficiency a priority for buyers and consumers. The Taiwan energy-saving marking, which is regarded as a differentiated product positioning, mainly helps the market to identify the energy-saving and high-efficiency specifications of the product, which means that the energy efficiency is 10%-50% higher than the national certification standard. Most of the lighting products in the market are under the management scope of this label system.
- **NCC verification service** – UL Solutions has been authorized by the National Communications Commission (NCC) in Taiwan to perform related wireless product verification operations for telecommunications-regulated radio frequency equipment. We help manufacturers looking for their products to comply with the regulatory authority's pre-market registration license requirements so as to maintain the necessary market inspection operations and maintain the quality of product verification under the premise of complying with relevant product technical specifications and protecting the safety of consumers.



Prepare for upcoming changes to requirements in the BSMI regulatory schedule

Over the past several years, the BSMI has introduced stronger compliance measures for LED lighting products to help implement the Taiwan government's energy-saving and carbon reduction policy and accelerate the development of the LED lighting industry. Connect with UL Solutions to stay ahead of future updates and requirements.

Visit our [regional site for BSMI updates](#), and for more information and assistance on Taiwan access, please contact your local UL Solutions team.

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