

Performance and safety testing solutions



UL's laboratory in Orange County, California has expanded to include a wide range of testing services for our customers.

UL's Orange County performance laboratory in Brea, California recently combined with UL's nearby safety laboratory, doubling the lab space to over 38,000 square feet. Combining the laboratories allows for increased testing capabilities, customer service efficiencies and deeper collaboration between UL's safety and performance assessment teams.

Building upon our core lighting performance offerings, such as Energy Star®, DesignLights Consortium® (DLC), and the Department of Energy (DOE) and California Energy Commission (CEC) Title 20 and Title 24/JA8, UL's laboratory in Orange County now offers an expansive portfolio of performance testing services.

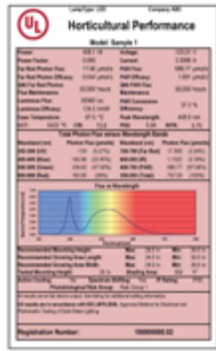
Beyond safety testing and certification, UL's technical experts are committed to providing photometric and photobiologic testing services that meet the high expectations of the lighting industry. Using goniophotometers, integrating spheres, spectroradiometers and other on-site equipment, our team is available to help guide you through our services and testing capabilities.



Performance laboratory testing capabilities

Horticultural lighting testing

Utilizing integrating spheres, mobile spectroradiometers and UL-manufactured goniophotometers, we can provide a suite of reports specific for horticultural applications, including traditional photometry with horticulture metrics, as well as near-field measurements to represent intensity at the plant canopy.



Energy Star specialty testing

Common performance criteria for the Energy Star program include testing for:

- Audible noise
- Start time
- Elevated temperature
- Light output ratio
- Operating frequency
- Dimming level
- Transient protection
- Angular uniformity of color
- Flicker



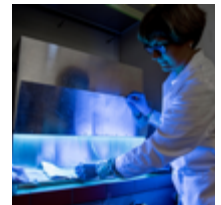
UL Marketing Claims Verification

UL Marketing Claims Verification is an objective, science-based assessment that confirms the accuracy of marketing claims. Our independent marketing claim Verification process scrutinizes the validity of specific advertising or promotional statements, giving you a way to separate verified fact from fiction. In a market crowded with competing declarations, UL Verification helps you cut through the clutter with independent confirmation of your marketing claims, setting your brand apart and driving business advantage.



Photobiological hazard testing

Exposure to optical radiation, distributed on a wide spectrum, both in the visible and invisible field, may damage the skin and the eyes. The photobiological safety standards measure and identify risk factors of optical radiation emitted by lighting devices, such as ultraviolet C (UVC) germicidal devices.



UL's laboratory is equipped with the necessary instrumentation for the performance of radiometric detection in accordance with the European and American standards, namely IEC/EN 62471 and ANSI IESNA RP 27, for the definition of the optical radiation values in the spectrum comprised between 200 nm and 3000 nm, i.e., the level of UV, IR and blue light radiation. UL also has the necessary instrumentation to perform other measurements, so contact us to discuss your project needs.

UL's Brea Lab Information

1075 W. Lambert Road Unit B, Brea, CA 92821
Safety main number: 714-223-3600
Performance main number: 714-223-3605

To learn more, email performancesolutions@ul.com, or visit UL.com/lighting



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