

# UL 8802 Outline of Investigation for Germicidal Systems

Advancements in product designs and the growing interest in ultraviolet (UV) solutions for germicidal systems has brought UV lighting to the forefront of our industry. In commercial, professional and medical settings the need for the safe evaluation of germicidal systems has grown.

Concentrating on nonresidential, permanently mounted, or fixed, germicidal systems for unoccupied spaces, UL's experienced engineers have the expertise to evaluate your simple or complex systems and help you manage the safety risks through the new UL 8802 Outline of Investigation for Germicidal Systems.

UL 8802 Outline of Investigation is to be used in conjunction with CSA C22.2 No. 250.0/UL 1598, the Standard for Luminaires, to address applicable risk of shock, risk of fire and risk of personal injury due to factors other than UV over-exposure. The outline defines the safety considerations and criteria for evaluating germicidal systems that include UV emitters, switches, sensors and other controls acting as site or equipment safeguards. The outline also focuses on the instructions, labels, and documented procedures needed to minimize risk to operators, installers and service persons using the germicidal systems, as overexposure to ultraviolet (UV) energy can cause serious personal injury.

Using criteria from applicable safety standards, a combination of requirements have been pulled together into one document covering both equipment and site safeguards, and expectations for manufacturers regarding communicating safety precautions for use, handling and servicing.

UL 8802 Outline of Investigation for UV Germicidal Systems has applications in multiple segments in and related to the lighting industry, including:

- Manufacturers that design, brand or bring to market UV germicidal systems and componentry
- Commercial and professional companies investing in UV germicidal systems for their sites
- Building managers involved with the installation and upkeep of fixed germicidal systems
- Parties responsible for the proper training of staff, including UV germicidal system use, proper personal protection equipment, safeguards and emergency response

Contact us at [lightinginfo@UL.com](mailto:lightinginfo@UL.com) or 1+877.ULHELPS for a quote or to learn more about how UL can help your UV germicidal plans.

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