



Introducing UL 8802 2nd Edition, Outline of Investigation for UV Germicidal Equipment and Systems

Advancements in product designs and the growing interest in ultraviolet (UV) solutions for germicidal systems have 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 equipment and systems, UL's experienced engineers have the expertise to evaluate your products and help you manage the safety risks through the 2nd edition of UL 8802, Outline of Investigation (OOI) for UV Germicidal Equipment and Systems. Using criteria from applicable safety standards, a combination of requirements has been pulled together into one document covering both equipment and site safeguards, as well as expectations for manufacturers regarding communicating safety precautions for use, handling and servicing.

- UL 8802 2nd edition includes requirements for upper room ultraviolet germicidal irradiation (UVGI) and UV emitters that were previously published as Certification Requirement Decisions in UL 1598, the Standard for Luminaires, as Annexes L and M. The 2nd edition makes the requirements more accessible by providing a single document for stakeholders to follow, covering upper room UVGIs, UV emitter assemblies and UV germicidal systems.

- The OOI is to be used in conjunction with CSA C22.2 No. 250.0/UL 1598 or CSA C22.2 No. 250.2/UL 2108, the Standard for Low-Voltage Lighting Systems to address applicable risk of shock, fire and personal injury due to factors other than UV overexposure.
- In addition to product type construction and performance criteria, the OOI continues to focus on the instructions, labeling and documented procedures needed to minimize risk to occupants, operators, installers and service personnel to mitigate overexposure to ultraviolet energy that can cause serious personal injury.

UL 8802 2nd edition is applicable to multiple segments in and related to the lighting industry including manufacturers, building managers and companies investing in germicidal equipment, its installation and staff training.

Contact us at 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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