

STANDARD INFORMATION

Standard: UL Subject 8802

Standard ID:

Outline of Investigation for UV Germicidal Equipment and Systems [UL SUBJECT 8802:2021 Ed.4]

Previous Standard ID:

Outline of Investigation for UV Germicidal Equipment and Systems [UL SUBJECT 8802:2021 Ed.3]

Outline of Investigation for UV Germicidal Equipment and Systems [UL SUBJECT 8802:2021 Ed.2]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **May 27, 2023**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

All reports must be certified to the 4th edition prior to the effective date.

Overview of Changes:

3rd Edition

- Retrofit kits that facilitate replacement of the light source of a General Lighting Service (GLS) luminaire with an ultraviolet (UV) light-emitting diode (LED) emitter assembly

4th Edition

- New annex to addresses the use of motion detectors as a safeguard for UV germicidal systems

Specific details of new/revised requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		The following changes reflect the 3 rd edition dated May 27, 2021:
	Info	PART IV – UV GERMICIDAL RETROFIT KITS
		<i>New section added;</i>
23		General UV Germicidal Retrofit Kits shall comply with construction, performance and marking requirements of the standards noted below unless specifically superseded by a requirement in this outline of investigation. See standard for details.
		<i>New section added;</i>
24		Photobiological Assessment The device shall be subjected to a photobiological assessment for actinic and near UV hazards from 200 nm through 400 nm in accordance with the requirements in CAN/CSA-C22.2 No. 62471 (in Canada) or IEC 62471 (in the United States). See standard for details.
25		<i>New section added;</i>
		Ozone
25.1		Devices that emit ultraviolet radiation at wavelengths less than 250 nm shall be provided with instructions indicating the need to take precautions to ensure that the concentration of ozone is limited to as safe value; see 26.3.
		<i>New section added;</i>
26		Additional Markings and Instructions The installation instructions shall include the markings in Table 26.1, items 1 – 2. See standard for details.



CLAUSE	VERDICT	COMMENT
		The following changes reflect 4 th edition dated August 30, 2021:
		<i>New annex added;</i>
Annex E		Motion Detectors – Determination of Coverage Area The test procedures in this Annex determine the coverage area of an integral motion detector or system, when it is relied on as a safeguard to mitigate the risk of UV overexposure. See standard for details.