

STANDARD INFORMATION

Standard: UL 8800

Standard ID: Horticultural Lighting Equipment and Systems [ANSI/CAN/UL 8800:2019 Ed.1+R:13Mar2023]

Previous Standard ID: Horticultural Lighting Equipment and Systems [ANSI/CAN/UL 8800:2019 Ed.1+R:14Feb2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 13, 2025**

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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Added Requirements for Horticultural Systems with Integrated Refrigeration Features
- Revisions to Update Photobiological Safety Markings
- Added Requirements for Horticultural Luminaires Supplied from a Remote Located Low Voltage Power Unit or a Remote Located Class 2 Power Unit

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
19	Info	Markings
19.4	Info	Photobiological safety assessment markings
		<i>New clause added;</i>
19.4.2A		<p>The product and instruction markings shall be provided verbatim in format S16 as defined in the Marking Section of UL 1598 or CSA C22.2 No. 250, and shall be in a location as following:</p> <p>a) Product markings – Layout in accordance with 19.4.2B and Figure 19.2, provided on the product where visible after the horticultural luminaire is installed.</p> <p>b) Instruction markings – Layout in accordance with 19.4.2B and Figure 19.3, provided on any instruction sheet packed with the product.</p>
		<i>New clause added;</i>
19.4.2B		<p>The product and instruction markings in 19.4.2 shall be presented in bold block print with a black-bordered two-section box on a yellow background, as follows:</p> <p>a) The risk group classification in the upper box; and</p> <p>b) The required labeling, information and guidance text in the lower box.</p> <p>See Figure 19.2 and Figure 19.3 for graphical examples of the required verbiage and format.</p>
		<i>New figure added;</i>
Figure 19.2		Product Markings by Risk Group Classification
		See standard for details.
		<i>New figure added;</i>
Figure 19.3		Instruction Markings by Risk Group Classification
		See standard for details.



CLAUSE	VERDICT	COMMENT
	Info	PART II – HORTICULTURAL SYSTEMS
21	Info	General Requirements <i>New clause added;</i>
21.6		The refrigeration portion of a horticultural system shall comply with the applicable construction, performance and marking requirements in UL 60335-1 and UL 60335-2-24 or CAN/CSA-C22.2 No. 60335-1 and CAN/CSA-C22.2 No. 60335-2-24. <i>New supplement added;</i>
Supplement SB		REQUIREMENTS FOR LOW VOLTAGE AND CLASS 2 HORTICULTURAL LUMINAIRES The requirements in this supplement apply to horticultural luminaires intended for connection to the output of a remote located low voltage or Class 2 power unit and intended for installation in accordance with the National Electrical Code (NEC), NFPA 70, Article 411 and/or the CSA C22.1, Canadian Electrical Code (CE Code), Part 1. See standard for details.