

STANDARD INFORMATION

Standard: UL 924

Standard ID: Emergency Lighting and Power Equipment [UL 924:2016 Ed.10+R:12Feb2025]

Previous Standard ID: Emergency Lighting and Power Equipment [UL 924:2016 Ed.10+R:14Dec2022]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 12, 2027**

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 Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes:

- Direct current output
- Emergency battery pack replacement marking
- Instructions for directly controlled emergency luminaires
- Area of Refuge Signs
- Functional Safety Evaluations

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

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>
23	Info	Electronic Circuits
23.3		Electronic circuits that activate emergency lighting in response to an external signal (loss of normal power, fire alarm, motion sensor or the like), including loss of a signal, shall be subject to the ELCF Test, Section 47, and shall operate in accordance with 47.2 or issue a derangement signal appropriate for the condition in accordance with 47.7. <u>If these circuits rely upon programmable devices, they shall be additional evaluated for compliance with UL 60730-1, Annex H.</u>
73A	Info	Markings
73A.4	Info	Operation and maintenance
		<i>New clause added;</i>
		An emergency luminaire with an integral emergency battery pack is permitted to be marked "CAUTION: Replace only with _____ emergency battery pack." The blank is to be filled in with either:
73A.4.15		a) The emergency battery pack manufacturer identification and catalog designation, or b) "UL 924-compliant emergency battery pack with output rated _____." The blank shall specify either the output voltage and current, matching that of the original emergency battery pack, or the output power of the original (if of constant power design).
		The marking shall be located where visible during emergency battery pack replacement but not on the original emergency battery pack itself. The marking is permitted to additionally state "See (specific URL inserted here) for other eligible emergency battery packs." The manufacturer shall maintain this website without restrictions (such as password or registration requirements).
		Exception: This marking is not required for sealed units marked per with 73A.4.8.
	Info	INSTRUCTION MANUAL
74	Info	General
		<i>New clause added;</i>
74.1A		Instructions shall not include content that conflicts with the markings required by Section 73A (For example, instructions for equipment marked with a DC output shall not recommend connection to a load rated only for AC input).



CLAUSE	VERDICT	COMMENT
		<i>New clause added;</i>
74.11		<p>The installation instructions for a directly controlled emergency luminaire whose control signal input control is intended to be bypassed under emergency power conditions shall include the following text, or equivalent: “CAUTION: When this luminaire is designated as part of a facility emergency lighting system and supplied by a remote emergency power source, the control input to the luminaire must be disconnected upon loss of normal facility power. Loss of power to the control input will set the luminaire to either full output or a pre-set illumination level complying with the applicable codes and approved by the authority having jurisdiction.”</p>
		<i>New clause added;</i>
74.12		<p>The installation instructions for a directly controlled emergency luminaire whose control signal input control is intended to be actively controlled under emergency power conditions shall include the following text, or equivalent: “CAUTION: When this luminaire is designated as part of a facility emergency lighting system and supplied by a remote emergency power source, the control input must be supplied from a listed ELCD that will set the luminaire output to an illumination level complying with the applicable codes and approved by the authority having jurisdiction.”</p>
76	Info	Other Instructions
		<i>New clause added;</i>
76.7		<p>Installation instructions for equipment with direct current output circuits shall state “Connect only DC rated electrical loads. Do not connect electrical loads that are rated for AC input only.”</p>
		<i>New supplement added;</i>
		AREA OF REFUGE SIGNS
Supplement SH		<p>These requirements apply to internally illuminated Area of Refuge signs intended to be visible during normal operation and during a facility loss of power event, and installed in accordance with NFPA 101, Life Safety Code.</p> <p>These requirements address the minimum necessary safeguards for protection against fire, electric shock injury, and casualty. They also address visibility performance, viewing distance, and, where an integral backup power source is provided, verified operating time.</p> <p>See standard for details.</p>