

STANDARD INFORMATION

Standard: UL 153

Standard ID: Portable Electric Luminaires [UL 153:2014 Ed.13+R:03Apr2024]

Previous Standard ID: Portable Electric Luminaires [UL 153:2014 Ed.13+R:20Jan2023]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 3, 2026**

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 Reports not updated to this version by the effective date above will be withdrawn.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

- Power supply for portable luminaires with USB/POE connections
- Portable luminaires use with LED light source only
- Power supply cord size, maximum receptacle load and marking for portable work lights and portable hand lights

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<p>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</p>
8	Info	Assembly and Packaging
8.2		<p>A portable luminaire shall be shipped from the factory in a carton or as an unpackaged complete assembly. Unassembled parts, such as glassware, chains, and similar components, when required elsewhere in the standard to accompany the product, shall be included. Decorative glassware is not required to be mounted in a frame or holder and is able to be separately wrapped to protect it from breakage during shipment.</p> <p>Exception: A non-integral power supply is permitted to be shipped separately when the portable luminaire is marked in accordance with Non-Integral Power Supply, Section 199.</p> <p><i>New clause added;</i></p> <p>A portable luminaire designed for use with a non-integral power supply shall comply with (a), (b), or (c) below:</p>
8.2.1		<p>a) The portable luminaire is packaged with a compatible power supply; b) The power supply is separately shipped and is marked in accordance with Section 199 (markings for non-integral power supply); or c) The portable luminaire is intended to operate from USB, or POE power sources.</p> <p>Note: See glossary for defined terms.</p>
127	Info	Construction – Electrical
127.1	Info	Power-supply cords
		<p><i>New clause added;</i></p> <p>A power supply cord for a work light shall be:</p>
127.1.5		<p>a) Minimum 18 AWG (0.8 mm²) for a unit without a receptacle; b) Minimum 18 AWG (0.8 mm²) for a unit with a receptacle and marked for maximum load per 198.6.2, also see 127.3.2(a); or c) Minimum 14 AWG (2.1 mm²) for a unit with a receptacle and not marked for maximum load per 198.6.2, also see 127.3.2(b).</p>



CLAUSE	VERDICT	COMMENT
127.3	Info	Receptacles <i>New clause added;</i> A work light with receptacle(s) shall:
127.3.2		a) Be provided with maximum load markings per 198.6.2; or b) Additionally comply with the following requirements: 1) Be provided with a power supply cord sized per 127.1.5(c); 2) Have an attachment plug rated for 20A; and 3) Be suitable for a 15A load drawn from the receptacle(s), as determined by the Normal Temperature Test – General, Section 143.
138	Info	Construction – Electrical
138.5	Info	Power-supply cords <i>New clause added;</i> A power-supply cord intended for use on a portable hand light shall be:
138.5.3		a) Minimum 18 AWG (0.8 mm ²) for a unit without a receptacle; or b) Minimum 18 AWG (0.8 mm ²) for a unit with a receptacle and provided with suitable overcurrent protection; or c) Minimum 16 AWG (1.3 mm ²) for a unit with a receptacle and marked for maximum load per 216.5, also see 138.9.3(a); or d) Minimum 14 AWG (2.1 mm ²) for a unit with a receptacle and not marked for maximum load per 216.5, also see 138.9.3(b).
138.9	Info	Receptacles <i>New clause added;</i> A portable hand light with receptacle(s) shall:
138.9.3		a) Be provided with maximum load markings per 216.5; or b) Additionally comply with the following requirements: 1) Be provided with a power supply cord sized per 138.5.3(d); 2) Have an attachment plug rated for 20A; and 3) Be suitable for a 15A load drawn from the receptacle(s), as determined by the Normal Temperature Test – General, Section 143.
144	Info	Test Method – General <i>New section added;</i>
144.11A		Self-Ballasted LED Lamps
144.11A.1		This section covers portable luminaires intended for use with Self-Ballasted LED lamps (SBLED) only.



CLAUSE	VERDICT	COMMENT
144.11A.2		For a portable luminaire with a screw base lampholder, a test lamp from Table 144.2 that most closely approaches the marked SBLED lamp wattage shall be used [e.g., where a maximum 20W SBLED lamp (Medium-Base) is specified, the selected test lamp would be an incandescent type 25W (Type A-15) or 25W (Type A-19)].
144.11A.3		For a portable luminaire with a bi-pin lampholder or double-end lampholder, the test lamp that most closely approaches the marked lamp shall be used (e.g., where a maximum 7W SBLED lamp is specified, the selected test lamp would be a tungsten halogen, 10W).
144.11A.4		The supply voltage shall be adjusted such that the test lamp dissipates 10 ±2 % more power than the highest wattage of marked SBLED Lamp (e.g., for a maximum 20W SBLED lamp, the supply voltage is adjusted so the test lamp dissipates 22 ±0.4W during the temperature test). Exception: This requirement does not apply when the portable luminaire includes an external power supply unit or LED driver that provides supply to the SBLED lamp – see 144.6.2.
	Info	MARKINGS
198	Info	General
198.6	Info	Electrical ratings
198.6.2		A convenience receptacle shall be marked in Form A-1 on or near the receptacle with its rated current. <u>Exception: When more than one receptacle is located at the same area of a unit, (for example, all receptacles located at the base of a table unit), following singular marking in Form A-1 on or near the receptacle is allowed.</u> a) "Maximum (MAX) _____ A for each receptacle"; or b) "Maximum (MAX) _____ A Total".