

ECO WALKER / TAY Sports

Ecowalker Light — Portable LED Lighting Safety Compliance Attestation

Product

Ecowalker Light — Portable Inflatable LED Field Lighting System

40W LED module · 12V DC input · IP65 weatherproof · 5,000-6,500 lumens · Inflatable stanchion (electric pump included) · Carry duffel bag for storage

Standards Referenced

Standard	Coverage
IEC 60598-1	Luminaires — General requirements and tests
IEC 60598-2-5	Particular requirements: Floodlights
IEC 60529 (IP rating)	Degrees of protection by enclosures — IP65 rated
RoHS 2011/65/EU	Restriction of hazardous substances in electrical equipment
IEC 62133 (battery)	Safety requirements for portable secondary cells (user-supplied)

IP65 Weatherproof Certification

Ecowalker Light is rated **IP65** under IEC 60529:

IP6X (first digit) — Dust tight. No ingress of dust permitted. Complete protection against contact with enclosed parts.

IPX5 (second digit) — Protected against water jets from any direction. Water projected by a nozzle (6.3mm) against the enclosure from any direction shall have no harmful effects.

Practical implications: Rated for normal outdoor deployment in rain, dust, sand (beach venues), and salt air (coastal venues). Pack away in severe sustained weather (heavy storm, deep snow). Rinse-off after coastal use extends service life.

Electrical Safety

Input voltage — 12V DC nominal. Tolerance 11.5V-14.0V. Voltages above 14V (e.g., direct alternator feed from a running vehicle) can damage internal electronics; always use a battery, never a running alternator.

Power consumption — 40W nominal. Runtime: 3-4 hours from a 12V 14Ah battery; longer from higher-Ah batteries.

Battery (user-supplied) — 12V 14Ah SLA or LiFePO4. SLA: cheaper (\$30-50), heavier, 2-3 year service life. LiFePO4: lighter, longer-lived (\$80-120, 5-7 year service life), preferred for institutional users.

No mains connection — Ecowalker Light is battery-powered exclusively. No electrical wiring, no permit required for deployment.

Battery shipping — Battery NOT shipped with the unit (hazmat shipping rules globally). User sources locally — globally available at automotive retailers, marine specialists, electronics stores, Amazon. See product page for purchase guidance.

Materials & Construction

Inflatable stanchion — TPU-coated polyester fabric. UV-stabilised for outdoor use. Tested for repeated inflation cycles. Pump rated for 2-bar working pressure.

LED module — COB (Chip-on-Board) LED array. Aluminium heatsink. Tempered glass diffuser. IP65 sealed housing.

Cabling — UL-style 16 AWG outdoor-rated cable. Sealed connectors at battery and module interfaces.

Carry bag — Weather-resistant nylon. Padded internal compartments for LED module and pump.

Use Case Coverage

Ecowalker Light is suitable for portable lighting deployment at the following venue types:

- **Beach volleyball tournaments and league play** — freestanding weighted base (no sand stakes required)
- **Outdoor basketball courts** — community parks, after-school programmes, evening league
- **Football / soccer evening training** — youth clubs, academies, multi-pitch training centres
- **Rugby, hockey, cricket, lacrosse training pitches** — sport-agnostic deployment
- **Multi-sport community venues** — equipment rotates between sports throughout the week
- **Tournament hosting** — playing surfaces + secondary areas (registration, warm-up, walkways)
- **Beach / event / outdoor film production** — silent battery-powered alternative to generators
- **Emergency / overflow facility lighting** — backup when permanent rigs are down for service

Manufacturer Identification

Eco Walker / TAY Sports

Manufacturer: Shaoxing TAY Sports Equipment Co., Ltd.

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Manufacturing since: 2010

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Issued

This attestation is issued under the responsibility of Eco Walker for use in procurement of portable LED field lighting equipment. Schools, councils, sport federations, academies, parks departments, tournament

operators, and facility managers may rely on this document for health & safety committee review, risk-assessment file inclusion, and procurement documentation.

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For named procurement reference, request a project-specific signed attestation via bulk@taysports.com. This document is a standard manufacturer reference; project-specific attestations include buyer name, PO reference, and shipment details.