

PROFESSIONAL WEARABLE ACTIVE LIGHTING

The EquiRay Heavy Duty is a professional-grade wearable lighting vest powered by patented SunFibre® optical fibre technology. Unlike reflective vests that depend on incoming light, the EquiRay actively emits 360° illumination — making the wearer visible in conditions where standard high-vis gear fails entirely.

Designed to be worn over existing PPE or as a standalone safety vest, it requires no modifications to current equipment.

**SEE AND BE SEEN
FROM 3KM AWAY.
IN ANY CONDITION.**



3km ACTIVE VISIBILITY (360°)	 EMERGENCY WHISTLE Built into the buckle clasp for instant distress signalling
60h MAX BATTERY LIFE	 RAINPROOF POWER POCKET Removable waterproof pocket protects the power bank in all weather
USB-A UNIVERSAL POWER INPUT	 TOOL LOOPS & HOOKS Multiple attachment points for radios, tools, and devices
IP68 OPTIONAL WATERPROOF	 UNIVERSAL FIT Elastic band with adjuster fits all body sizes over any PPE ACTIVE ⚡

TWO WEARING MODES

OVER PPE

Worn over any existing safety vest or jacket. No modification needed.

STANDALONE

Used as primary safety vest. Follows EN20471 retroreflective layout.

KEY FEATURES

- SunFibre® active lighting throughout— Optical fibres emit light 360° along the entire vest, constantly visible from every angle
- EN20471 retroreflective layout— Reflective tape positioned to the certified standard; dual passive/active visibility
- Emergency whistle on buckle— Integrated audible distress signal for smoke-filled and low-visibility environments
- Removable rainproof power pocket— Detachable waterproof housing for power bank; protects electronics in all weather
- Multiple attachment points— D-rings, hooks, and loops for radios, tools, ID holders, and other equipment
- Continuous or flashing modes— Standard on/off; optional flashing mode available
- Adjustable universal fit— Elastic band with adjuster fits all body sizes; wears over any existing PPE
- Washable & easy to maintain— Designed for standard PPE maintenance and washing cycles

WHAT MAKES THIS DIFFERENT FROM ANY OTHER SAFETY VEST

The EquiRay is not a vest with lights attached to it. The **SunFibre® optical fibres are woven directly into the vest structure**, emitting light evenly along the entire fibre length from every direction. This means no hotspots, no directional blind angles, and visibility that works equally well whether the wearer is standing, kneeling, or turning.

Standard retroreflective tape becomes effectively invisible in **fog, rain, smoke, and dust** because there is no light source to reflect back. SunFibre® generates its own — making the EquiRay effective in precisely the conditions where other vests fail.

CERTIFICATIONS

EN20471 • CE • UKCA • RoHS • TUV (via SunFibre® power units) P68 (optional variants)

CONSTRUCTION

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