

ProRXM Solar Lighting Tower

The **Prolectric ProRXM** available from ProRehire, is a space-efficient and versatile solar lighting tower that provides a significant reduction in fuel usage and CO₂ emissions compared to a diesel/hybrid lighting tower whilst having the same footprint as the standard VT1 diesel-powered alternative.

Meeting the specific requirements of our customers working in the rail and highways sectors, the ProRXM is designed to be easily transported and fit comfortably on a trackside cess or in tight roadside spaces.

The ProRXM provides bright LED lighting all year round, even in challenging winter conditions. It can also be remotely monitored and controlled via our cloud portal.

Available for purchase.

Applications

Infrastructure, rail & construction projects
Light site compounds and walkways
Temporary car parks
Off-grid emergency response
Outdoor events and festivals

Our customers include

Colas Rail
Network Rail
Balfour Beatty
Skanska
Vinci

ZERO EMISSIONS

No fumes or greenhouse gas emissions



ZERO NOISE

Benefits for urban locations and night projects



ZERO FUEL

No diesel costs, spills, or refuelling



ZERO MAINTENANCE

Set up and forget technology



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Compact and Versatile

The innovative Prolectric ProRXM has been specially developed as a compact solar lighting tower that provides reliable, bright solar lighting in the same footprint as a standard VT1 diesel generator light.

The Prolectric ProRXM complements our award-winning ProLight Solar Lighting Tower, still offering a high-performance, low operating cost alternative to diesel while facilitating cost-efficient transportation and installation in smaller spaces.

Compact and Transportable

The ProRXM matches the footprint of a standard VT1 diesel generator. To avoid damage, the solar panels fold away neatly on the top of the unit and are covered when not in use. Once extended, a hydraulic mechanism tilts the panels diagonally to minimise space while capturing maximum sunlight.

Up to eight ProRXMs can be transported on a standard 44t flatbed truck. Each trailer-mounted unit has a towbar that folds vertically to save space. The unit can be crane hoisted into place using the integral lifting eye or manoeuvred on site using robust forklift pockets.

Reliable Year-Round Lighting

The Prolectric ProRXM operates reliably all year round, even in challenging winter conditions. The trailer-mounted battery has sufficient capacity to ensure that even on winter days with 16 hours of darkness, the unit operates consistently and reliably.

- Bright 550m² coverage
- Lux level: Adjustable lights to suit BS5489 standards. Lighting designs available without charge
- Lumens: 10,000 to 40,000
- Heavy-duty, deep-cycle battery technology
- 3 x foldable solar panels - Hydraulic arm
- 4 x LED floodlights
- Dimensions: Stowed footprint 3172mm (L) x 1574 (W)
- Hydraulic mast

Mast Safety System

The Prolectric Automatic Mast Safety System (PAMS) is a fail-safe system that stops a light from being moved with the mast raised, avoiding danger to personnel, including inadvertent striking of overhead powerlines. The mast cannot be raised when the handbrake is on and is automatically lowered when the handbrake is released, e.g., before driving away.

Remote Control and Monitoring

Every ProRXM is fitted with a micro-controller and tracking facility, so it can be switched on and off remotely. Key data is monitored and recorded, including the power generated and consumed and light on/off settings. You can change the settings to suit the light conditions without attending on site – or we can do it for you.

Customers can be provided with real-time web portal access to Prolectric's Remote Monitoring Service and we also provide a daily monitoring and control service to optimise the performance of each unit. Regular reports can be provided to track performance and carbon saved compared to conventional alternatives.

Lighting Design Service

Prolectric offers a full lighting design service to ensure you have the optimum temporary lighting configuration for your site.