

ProRXM Hybrid Solar Lighting Tower

The ProRXM Hybrid is a space-efficient solar hybrid lighting tower designed specifically for Rail and Highway works, fitting in a trackside cress or tight roadside space with the same footprint as a VT1.

In response to market demand and in the pursuit of achieving new engineering standards to improve lighting efficiency, Prolectric has launched the ProRXM Hybrid.

Versatile by design, it's ideal for walkway lighting, where it can be fully powered from three 270W solar panels with 9.6kW of battery capacity. Alternatively, the lights can be turned up for task lighting, and its autonomous and efficient 2.8kW DC engine, which uses just 0.5 litres per hour, can provide backup power.

A solar-first solution, with traditional generator back-up, it continues our commitment to provide more sustainable solutions that help to reduce carbon emissions. Our new tower light sits alongside our innovative range of solar lighting towers, the ProTemp, ProRXM, and ProLight.

The generator starts up automatically when power demands exceed the battery charge and can be fully controlled both locally using its touchscreen controller or remotely via our advanced web portal, where key performance metrics and in-depth fuel, carbon and cost savings reports are available too.

The ProRXM Hybrid comes with four bright multi-directional 180W LED lights, which can be dimmed, monitored, and scheduled remotely in our portal, making it perfect task lighting for worker safety and site security.



Advanced Technology

Remote control, monitoring and reporting capabilities.



Reduced Emissions

Reduced fuel usage and carbon emissions.



Reduced Fuel Usage

Reduced diesel costs, spills and refuelling.



Reduced Noise

Silent overnight power from battery storage, ideal for urban & night projects.



Minimal Maintenance

Reduced generator run-time means less maintenance.



1

A
solar
first
solution

810W
solar
array

2

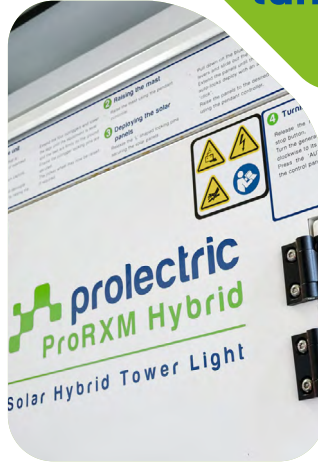
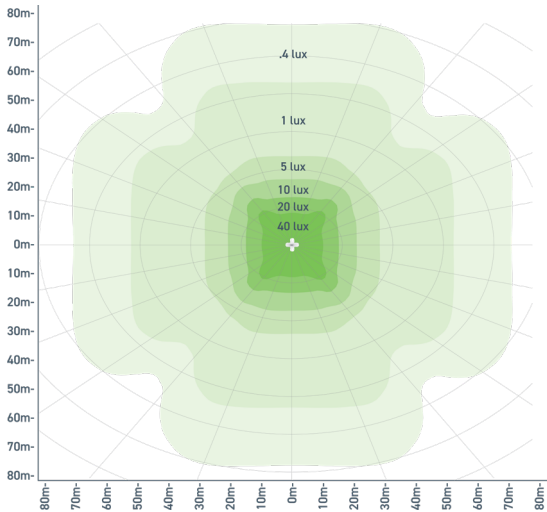
720W
LED flood
lights

3

ProRXM Hybrid Solar Lighting Tower

118,800 lumens

ProRXM Hybrid Light Range



ProRXM Hybrid Area 4x180W Lamps

40 lux to 435 sqm

20 lux to 905 sqm

10 lux to 1647 sqm

5 lux to 2896 sqm

1 lux to 9314 sqm

.4 lux to 16993 sqm

Features

- 360° pan motor rotatable hydraulic mast
- An automatic mast safety system
- Easily crane-hoisted or manoeuvred on site using forklift pockets
- Guided main coiled cable
- Stowed retractable drawbar
- 4x adjustable and extendable stabilisers

Game-changing remote monitoring & management

Manage your ProRXM Hybrid from anywhere, anytime using the portals' powerful remote-control functionality.

[Find out more](#)

General Specification

Deployed dimensions	2562 (L) x 2119 (W) x 6540 (H) mm
Stowed dimensions	3172 (L) x 1574 (W) x 2720 (H) mm
Net weight	1300 kg
Mast specification	Telescopic hydraulic arm
Wind loading	80 km/h

Solar Panels

PV peak	270W x 3
PV array	Hydraulic assisted

Batteries

Battery specification	8x 12V 100Ah Li-ion batteries
Battery capacity	9.6 kWh
Expected battery recharge cycles	6,000

Floodlights

Type	LED
Power	180W x 4

Generator set

Generator	3.5 kVA (1PH)
Engine	DC 2.8 kW
Fuel tank capacity	60 litres (120 hours run time)

