

TECHNICAL SPECIFICATIONS



ZERO EMISSION SOLAR HYBRID MOBILE LIGHTING TOWER

ECOLITE TH200RS

Our portable lighting tower uses both solar energy and power from a hydrogen fuel-cell to operate, whatever the weather.

Low-energy LED lights using Prismatic Lens technology make use of every lumen. Nothing is wasted. This provides high-quality, evenly distributed light while minimising flicker and glare. It also reduces light pollution, making it ideal for urban areas and ecologically sensitive locations where maintaining a natural atmosphere is important.

The hydrogen fuel-cell runs silently with zero noise or emissions and works in harmony with the solar PV equipment, giving you the best possible fuel economy. An automatic dusk-to-dawn sensor can control the lights so that you don't have to.

For those dark and dull weeks when the sun doesn't shine, the hydrogen fuel cell will pick up the slack and give 120 hours of light before needing to be refuelled.

KEY FEATURES

ZERO CO2 Site Emissions
ZERO Noise Pollution - perfect for night work, in residential areas, and enclosed spaces.
ZERO Particulate Pollution
ZERO Servicing
ZERO Combustion
ZERO possibility for fuel or earth contamination
TCP AMOSS and OMISS Safety Systems
Operational in enclosed spaces
Low-energy LED lighting
Automated with dusk to dawn auto switching
Fully autonomous run time between 30 to 240 hours
(Depending on cylinder configuration)



AT A GLANCE

Compared to a standard TH200 mobile lighting tower, a TH200RS can reduce your fuel bill:

- Winter: up to 10% savings
- Spring and Autumn: up to 40% savings
- Summer: up to 75% savings

Compared to a Solar-only lighting tower, the TH200RS lights will continue to operate at full brightness, even after extended periods of low solar input.

SOLAR PV BENEFITS

By adding a Rear Solar panel to our established TH200 fuel cell powered mobile lighting tower, we are able to reduce the fuel consumption over a typical UK year by up to a third.

During the summer months, the fuel savings can be up to 75%, which means it could be lower cost to operate than a diesel equivalent lighting tower.

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Height with mast extended	9.1m (fully hydraulic)
Height	2150mm
Length	2500mm
Width	1345mm
Overall width	2105mm with jack legs deployed
Dry / unladen weight	750kg
Lifting eye safe working load	1000kg
Stabilising positions	4
Operating voltage	12v DC
Ground clearance	244mm
Breaking system	Park and overrun
Safety systems	TCP AMOSS and OMISS
Max wind speed for safe operation	100kph
PV input	440W

Contact the TCP ECO team for more info at www.tcp-eco.co.uk
or call 0345 4501601