

SMC TL-90 Mobile Lighting Tower



Compact and easy to transport, the **SMC TL-90** lighting tower is one of Morris Site Machinery's most reliable and popular products. The 1000W Metal Halide lamps give a strong and even light stream of around 424,000 lumens, along with an autotilt option for directed light, and can be fully retracted for transport and storage. The lighting towers can be equipped with autostart/stop which allows the user to minimise fuel consumption by 30% or more, yet maximise efficiency.

The lighting tower functions in all climatic conditions and with a comprehensive and protected monitoring system, they are ideal for use in testing situations. Crucial safety features include an emergency stop that disconnects all electrical circuits and shuts down instantly, as well as a mast deployment alarm and a safety system which ensures the mast descends automatically when the handbrake is released, preventing collisions with overhead obstacles. It is also designed to give operators easy access for routine maintenance.

Network Rail Approved



Features:

- **Super silent operation** – reduced noise pollution at just 60dB(A) at 7m
- **Hydraulically operated mast** can be fully extended to 9m height in only 12 seconds
- **Compact and robust design** with the ability to load ten units together for ease of transportation
- **Fork lift pockets and single lift eye** for easy transportation
- **360° rotating head lamp** with telescopic mast for quick and easy operation
- **4 x 1000W Metal Halide lamps** fitted to super high output reflectors for high intensity light
- **Bio-degradable** oil in hydraulic system
- **Engine fluids fully banded** to 120% protecting the environment from spills
- **Fuel efficient** giving 85 hours of operation
- **Network Rail approved**
- **EC whole vehicle type approved trailer**

Safety Features:

- Emergency stop button fitted as standard for safety
- Auto shutdown will operate in the event of low oil pressure/levels for enhanced safety

Optional Extras:

- LED lamps
- Electric powertilt lamp control
- 110 Volt power outlet CTE
- Wind down prop stands
- Auto-run timer module

Applications



Specifications are subject to change without prior notice

| SPECIFICATION | |
|---|--|
| ENGINE TYPE | Kubota D905-BG 3cyl Water Cooled 7.4kW @ 1500rpm diesel |
| HYDRAULIC SYSTEM | Bio-degradable Oil |
| FUEL TANK CAPACITY | 130 Litres |
| FUEL CONSUMPTION | 1.53 l/hr (Lamps only) |
| RUNNING TIME | 85 Hours |
| AVERAGE SOUND PRESSURE LEVEL @ 7 METRES | 67dB(A) |
| ALTERNATOR | Mecc Alte LT3 110 4 Pole, 230V, 50Hz |
| CONTINUOUS POWER / STANDBY POWER | 5.0kW /5.5kW |
| POWER OUTLET SOCKETS | 2 x 16 amp, 230V |
| MAST MAXIMUM HEIGHT | 9010mm |
| MAST RAISE / LOWER TIME | 12 / 18 secs |
| WIND SPEED | Suitable for operation in wind speeds up to 100km/h |
| STABILISERS | 4 |
| LAMP SPECIFICATION | 4 x 1000W Metal Halide |
| BUNDING | Fully banded to 120% for all fluids |
| ROAD LIGHTS AND REFLECTORS | Standard |
| DIMENSIONS FOR TRANSPORT (LxWxH) | 2500mm x 1320mm x 2100mm |
| DIMENSIONS FULLY DEPLOYED(LxWxH) | 2690mm x 2630mm x 9010mm* |
| WEIGHT FULLY FUELLED / UNFUELLED | 1050kg / 933kg |

Optional Specifications:

Petrochemical specification

- Spark arrestor
- Chalwyn valve

Offshore specification

- Spark arrestor
- Chalwyn valve
- Fuel water trap
- Emergency stop button (fitted as standard)
- Anti-static fan belt
- Braided fuel lines
- Battery isolator switch
- Fuel isolator shut off valve

* When fitted with powertilt option. Standard height 8740mm.

