

# SMC TL-90 LED Mobile Lighting Tower



Compact and easy to transport, the **SMC TL-90 LED** lighting tower is one of Morris Site Machinery's latest additions to the SMC range. The powerful 240W LED lamps give a strong and even light stream with instant on/off light and a lamp life of 50,000 hours and saves up to **50% fuel savings**. The machine is fully retractable for transport and storage. The lighting towers can be equipped with autostart/stop which allows the user to minimise fuel consumption by a further **30%**, yet maximise efficiency. It also features a mains changeover switch to effectively run a unit from a mains power or alternatively link 3 machines together using only one engine. They are suitable for a wide range of applications.

The lighting tower functions in all climatic conditions and with a comprehensive and protected monitoring system. Safety features include mast deployment alarm and a safety system which ensures the mast descends automatically when the handbrake is released, preventing collisions with overhead obstacles.



**Fuel saving  
up to £2,000  
per year\*\***

## Features:

- **Fuel saving of £160 per month\***
- **Instant light**, no restricted time
- **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
- **5 x 240W LED lamps** fitted with high output optics for high intensity light
- **Bio-degradable oil** in hydraulic system
- **Engine fluids fully bunded** to protect the environment from spills
- **Fuel efficient** giving 133 hours of uninterrupted operation
- **Mains changeover switch** to run unit from mains power
- **Link up to 3 machines** together using only one engine
- **EC whole vehicle type approved trailer**
- **50,000 hours LED lamp life**
- Galvanised canopy

## Safety Features:

- Mast deployment alarm & safety system

## Optional Extras:

- 110 Volt power outlet
- 4 wind down prop stands
- Auto-run timer module
- Eco Sensor dusk to dawn timer

\* Compared to standard tower lights

\*\* As of September 2014

Applications



Specifications are subject to change without prior notice

**MORRIS**  
SITE MACHINERY

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	0.97 l/hr (Lamps only)
RUNNING TIME	133 Hours
LAMP SPECIFICATION	5 x 240W LED
AVERAGE SOUND PRESSURE LEVEL @ 7 METRES	60dB(A)
ALTERNATOR	Mecc Alte LT3 110 4 Pole, 230V, 50Hz
CONTINUOUS POWER / STANDBY POWER	5.0kW /5.5kW**
POWER OUTLET SOCKETS	1 x 16 AMP outlet 1 x 16 AMP inlet
MAST MAXIMUM HEIGHT	8740mm
MAST RAISE / LOWER TIME	12 / 18 secs
WIND SPEED	Suitable for operation in wind speeds up to 100km/h
STABILISERS	4 with rear wind down legs
BUNDING	Fully bunded to 120% for all fluids
ROAD LIGHTS AND REFLECTORS	Standard
DIMENSIONS FOR TRANSPORT (LxWxH)	2565mm x 1320mm x 2100mm
DIMENSIONS FULLY DEPLOYED(LxWxH)	2870mm x 2639mm x 8740mm
WEIGHT FULLY FUELLED / UNFUELLED	1050kg / 933kg

\*\* Allows 1 unit to power up to 3 units

## Optional Specifications:

### Petrochemical specification:

- Spark arrestor
- Chalwyn valve

### Offshore specification:

- Spark arrestor
- Chalwyn valve
- Fuel water trap
- Anti-static fan belt
- Braided fuel lines
- Battery isolator switch
- Fuel isolator shut off valve

