



# Lighting Tower

# RMC

## NIGHT PRO

# 1400



MAXIMUM HEIGHT 9m



1400 WATTS LED  
4000 WATTS MHD  
210,000 LUMENS  
360,000 LUMENS



4 SPOTLIGHTS(1,000W/350W)



Events

Road Works

Construction Sites

Industry

Rental

Mining

Night Pro 1400-4000 RANGE

The lighting tower of the new family Night Pro 1400 stands out by its functional and easy use.

The Night Pro guarantees a continuous work during 20 days per fuel tank providing the highest performance. The new family of lighting towers includes an innovative design and responds to strict security, portability, maintenance and versatility standards.

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THE BEST  
**FUEL**  
EFFICIENCY  
IN THE MARKET



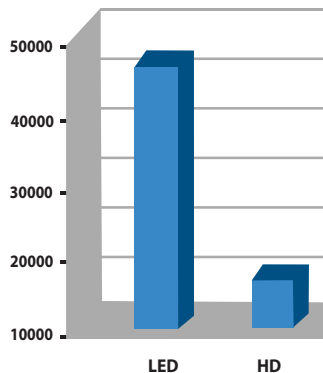
DO  
**MORE**  
WITH LESS FUEL

**RMC**  
RICH MOTOR COMPANY

The TL5K is Designed to reduce fuel consumption to the minimum while combined with an Upgraded Fuel tank it extends the operating hours of the Light-Tower up to 25 days .  
The new dimensions makes it more convenient for transportation . A 40 feet or a 12m Trailer can take up to 16 units.

These features the lightning tower perfect for the construction, pleasure, events, civil defence, emergency and fire brigades sectors among others.

## LAMP LIFESPAN



## NOTES

1. The applicable voltage range is 230v for 50Hz application. For other voltages, please consult factory.
2. This generating set is of fixed speed of 1500 rpm or 1800 rpm
3. KT5/KT9 is the prime power rating of the generating set is where a variable load and unlimited hour usage are applied with an average load factor of 80% of the prime rating over each 24-hour period. Nothing that a 10% overload is permitted for 1 hour in every 12-hour operation.
4. KT5.5S/KT10S is the standby power rating of the generating set is where a variable load limited to an annual usage up to 500 hours is applied, with 300 hours of which be continuous running . Nothing that no overload is permitted.

The above ratings represent the generating set capability guaranteed within=3% at the reference conditions equivalent to these specified in ISO 8528/1 standard

Engine Technical Data Metal halid LED Metal Halid		LED
Light Tower Model	Night-Pro 1400-K	Night PRO 1400K
Prime Power	8.8kva @50hz, 10hz @ 60hz	4.5 kva@50 hz, 5.5kva@60hz
Frequency	50 ~ 60Hz	50-60 Hz
Voltage	230V	230
Maximum Dimensions in Cm (Working Mode)	L 255 x W175 x H 880	L 255 x W 175 x H 880
Minimum Dimensions in Cm (Transport Mode)	L 165 x W115 x H256 without lamp Assy	L 165 x W 115 x H 256
Weight Unfueled	500KG	450
Fuel type	Diesel (Fuel is according to BS2869 Class A2 or equivalent)	
Tank Capacity	114L	114
Maximum run time before refueling		250 Hrs.
ENGINE Make & Model	KUBOTA D1105-E2-BG JAPAN	Kubota Z482
Cylinders & Arrangement	3; vertical in-	2 in Line
Bore & Stroke (mm)	78 x 78.4	67.0 x68.0
Induction system	Naturally aspirated	Naturally aspirated

Depending on the Application, Pictures of Gen-Sets, Tower lights and Canopies may vary from the Display images in this sheet

Combustion		Indirect injection
Cycle	4 stroke	4 stroke
Compression ratio	24	22
Cooling System	Water cooled	Water Cooled
Displacement	1.123 liters	0.479
Lube oil capacity	5.1 liters Max	3.8 L
Coolant capacity	5.1 liters	.0
Standard governor (Optional)	Mechanical +/-5% (Electronic)	Mechanical +/-5%(Electronic)
Engine Speed	1500 rpm	1500 rpm
Fuel Consumption @ 100% Load	2.45 (L/H)	1.1/H
Fuel Consumption @ 75% Load	1.84 (L/H)	0.81/H
Fuel Consumption @ 50% Load	1.23 (L/H)	0.51/H
Fuel Consumption @ 25% Load	0.62 (L/H)	0.41/H
Radiator Cooling Air Flow (m³/s)	0.35	N/A
Emissions regulations	For non-regulated territories	For Non-regulated territories
Exhaust temperature °C (max)	500	N/A
Max exhaust gas flow (m³/min)	2.24	N/A
Max. allowed back pressure (kPa)	7.1	N/A

The above performance data are valid as per the following apes:  
Diesel fuel is according to BS2869 Class A2 or equivalent  
Lubricating oil is according to Grade SAE 15W-40 API C14  
The coolant should be 50% antifreeze and 50% fresh water

Trailer and mast Technical Data		Alternator Technical Data	
Make & Model	RMC TL-9K	Make & Model	Linz Alumen * x MD
Tires	2x165-R13	Frequency / No. of poles	50-60Hz 1 Pole
Forklift Pocket	2 provisions	Ingress protection	IP21
Towing	Hitch Mount	Insulation class	H
Mast	Vertical 4 stages	Terminals (Optional)	2
Rotation	350 degree with lock	Excitation system	Self excited
Winch	Manual	Winding pitch	-
Lamp Assy Type	4x 1000 Metal Halide(360,000Lh) / 4x1000 Halogen (256,000Lh) / 4x350W LED (210,000 Lh)	AVR model	Capacitor
Light Field	Up to 5000 sqm	Overspeed	2250 R.M.P
Jacks - Stabilizers	5 - Extendable	Voltage regulation	-
Filling Cap	External with Key	Air Flow Requirement at 50Hz	3.1m³ / mm
Fuel Gauge	Visual Internal		
Auxiliary Sockets	2x16 A		
Cord	*Spiral 8 wires with harness on each Assy		

The most efficient in fuel consumption in the market.

Engine service can be extended to 1000 hrs at very low cost.

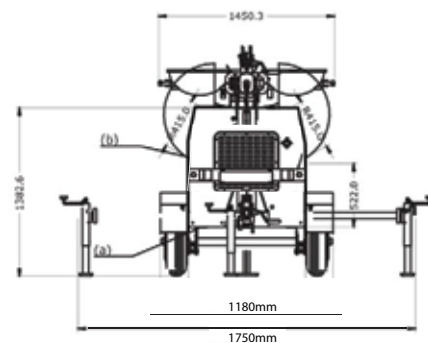
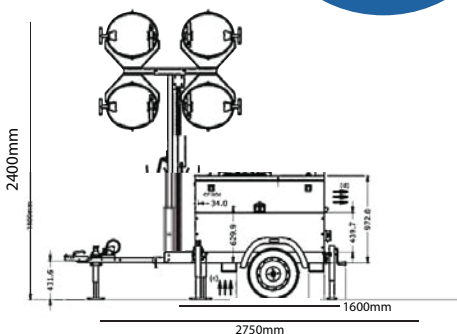
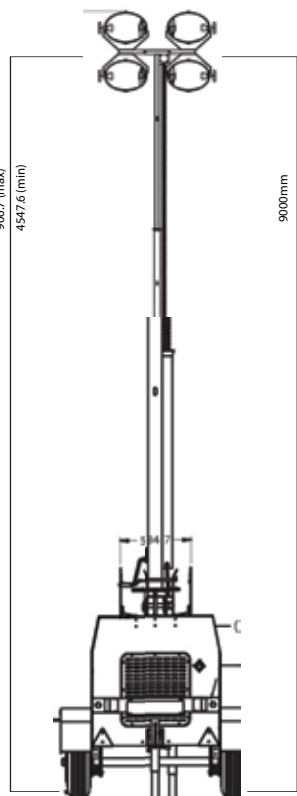
Very compact and easy to transport. 16 units in one 14 feet or 12 meters Trailer.

Big fuel tank that will last for over 20 days\*  
If operating at 10 hrs. daily\*\*

High lighting efficiency and durable, up to 50,000hrs.

Versatile and can be used in a wide range of applications.

## WHY TO CHOOSE RMC TL-5 LIGHT TOWER





## Control Panel Specifications

**DSE 4510MK** panel is an automatic start generating set panel of microprocessor-based design which is capable of interfacing with electronic engine through the can-bus J1939. It is fully configurable by front fascia buttons and PC software as well. Circuit Breaker LS - Schneider or ABB, 2 Pole 25A MCB with 4 x 1P 10A individual CB for each Light



### KEY Benefit

- Ultimate size to feature ratio
- Automatically transfers between mains (utility) and generator (DSE4520 only)
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout for ease of use
- Multiple parameters are monitored simultaneously which are clearly displayed on the largest back-lit icon display in its class
- The module can be configured to suit a wide range of applications
- Compatible with a wide range of CAN engines, including tier 4 engine support
- Uses DSE Configuration Suite PC Software for simplified configuration
- License-free PC software
- IP65 rating (with optional gasket) offers increased resistance to water ingress

### KEY FEATURES

- Largest back-lit icon display in its class
- Fully configurable via the fascia or PC using USB communication
- Extremely efficient power save mode
- 3 phase generator sensing
- 3 phase mains (utility) sensing (DSE4520 only)
- Generator/load power monitoring (kW, kV A, kV Ar, pf)
- Generator/load current monitoring and protection
- Fuel and crank outputs (configurable when using CAN)
- 4 configurable DC outputs (2 for DSE4510)
- 3 configurable analogue/digital inputs
- 4 configurable digital inputs
- Configurable staged loading outputs
- CAN and alternator speed sensing in one variant
- 3 engine maintenance alarms
- Engine speed protection
- Engine hours counter
- Engine pre-heat
- Engine run-time scheduler
- Battery voltage monitoring
- Start on low battery voltage
- Configurable remote start input
- 1 alternative configuration
- Comprehensive warning, electrical trip or shutdown protection upon fault condition
- LCD alarm indication
- Event log (15)

