

Light Beyond Limits. Power Beyond Expectations....



POWER FOR PROGRESS ➤

Across India, progress doesn't wait for daylight. It happens in night shifts, monsoon storms, remote terrains, and on the forgotten edges of our cities and fields. That's why Trine builds mobile light towers engineered to arrive where progress awakens - powering highways, mines, farms, rescue zones, and events that keep India moving. Our light towers don't just illuminate; They enable work. They enable safety. They enable progress itself.

APPLICATIONS

- Construction & mining sites.
- Emergency & disaster response.
- Outdoor events & sports venues.
- Roadworks & infrastructure projects.
- Industrial facilities.
- Security & defense operations.

KEY FEATURES

- Advanced LED floodlight technology.
- Robust, weather-resistant construction.
- Reliable power system.
- Compact & portable for easy transport.
- Low fuel consumption & CPCB - IV+.
- Long runtime on a single refuel.

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TECHNICAL HIGHLIGHTS

ENGINE

Engine Model	Rehko (Kohler / Lombardini)
Engine Speed (rpm)	3000
Engine Rated Output (PRP) (kW)	6.1
Coolant	Air Cooled
Number of Cylinders	1
Emission Norms	CPCB IV ⁺

PERFOMANCE DATA

Rated Frequency (Hz)	50
Rated Voltage (VAC)	230
Rated Power (PRP)	5 kw (6.25 kVA)
Operating temp. (°C)	0 / 50
Sound power level (LwA) (dB) A	86
Sound pressure level (LpA) at 7m, (dB) A	<70 at 1 mtr

Energy Consumption

Fuel Type	Diesel
Fuel tank capacity (l)	60
Fuel consumption (Lights only)	0.80 LPH
Fuel Consumption (100% Load)	1.3 LPH
Runtime (hrs)	70

Alternator

Alternator make	NSM / Meccalte (Italy)
Alternator type	Brushless capacitor
Alternator rated output (kVA)	5
Insulation / Enclosure protection	H / 23

Parameter

Light coverage (m ²)	5,000 (average 20 luxes)
Lamps	LED
Extra features	IoT Enabled

Lights

Floodlights	LED
Wattage (W)	4 x 300
Lumens (lm)	1,80,000 Lumens
LED Life	100,000 hours

Power Output

Auxiliary Power (kW)	16 AMPS
Inlet Plug	6A, 230/240V, USB Charging Port

Mast

Mast type	Vertical Manual (5 section)
Mast rotation (degrees)	355
Mast maximum height (m)	8
Mast Sections	5
Mast Erection Time	< 3 minutes
Mast Coating	Hot Dip Galvanizing
Max Wind Speed (km/h)	85

Enclosure and Trailer

Enclosure	Tough Steel with High Corrosion Resistant
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Dimensions and Weight

Transport dimensions Fix Towbar L x W x H x (m)	1.9 x 1.1 x 2.4
Operating Dimensions (m) L x W x H x (m)	2.8 x 2.8 x 8
Weight (Dry / Wet, kg)	600 / 670

IoT

Remote Monitoring, Data Access, Remote Diagnosis, GEO Fencing, Remote ON/OFF
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