

Comply With Standards:

- Engine performance according to ISO 3046, BS 5514, DIN 6271.
- Alternator performance according to NEMA-MG1, BS 5000, DIN EN, relevant ISO, IEC60034.
- Breaker complies with IEC – 60947-2.

MPS TOWER LIGHTS

5 kVa Kubota - Single Phase				
Speed	Voltage	Prime Rating	Standby Rating	PF
1500 RPM	230 V	5.1	5.5	0.8

10 KVA Perkins - - Single Phase				
Speed	Voltage	Prime Rating	Standby Rating	PF
1500 RPM	230 V	9	10	0.8

Powered By:



Engine Specifications

Engine Make Model	PERKINS 403A-11G1	KUBOTA D1105-E2-BG
No. of Cylinders	3 Vertical In-Line	3 vertical in-line
Cycle	4 Stroke	4 Stroke
Aspiration	Natural	Natural
Cooling Method	Water cooled	Water cooled
Governing Type	Mechanical	Mechanical
Coolant Capacity	5.2 L (with radiator)	5.1 L (with radiator)
Compression Ratio	23:1	24.1
Displacement	1.131 litres (69.0 cubic in)	1.123 litres (68.5 cubic in)
Bore/Stroke	77 x 81 mm (3.03 in x 3.2 in)	145 x 183 mm
Battery Charger, Ampere	12V DC/ 15 Amps	12V DC/ 30 Amps

Alternator Specifications

Alternator Make & Model	Leroy Somer TAL 040B	Linz ALUMEN-X LF
No. of Poles	4	4
Winding Leads	6	6
No. of Bearings	Single	Single
Insulation Class	Class H	Class H
Ingress Protection Rating	IP-21	IP-23
Excitation System	Self Excited	Self Excited
AVRModel/Capacitor	Capacitor	R120

Controller Specifications

Controller Make & Model	DSE 4520 MK11
Operation mode	MRS / AMF (Optional)
Display	Graphic Back-Lit LCD
Ingress Protection Rating	Sealed Front Face (IP65)
Engine Protection	Temp, Pressure, Speed, Charge Failure
Alternator Protection	Freq, Voltage, Short-Circuit, Reverse Power, Overload
Emergency	Emergency Stop Push Button
Event Log	Alarms Log, Hours log
Fuel indication	Fuel Level Sensor (Optional)



*Image for illustration purposes only.

Key Features:

- Multi-directionally adjustable and tiltable floodlights
- 4x400W, 220V LED Lights
- Manual vertical mast 7.0m, 340 rotatable
- Galvanized metalworks
- 80-120µm Powder coating
- Very Compact dimensions for easy handling & transportability
- Longitudinal and transversal forklift pockets for effective handling
- Plug & play, colour-coded power cables and connectors
- IP23 level protection
- Guided main coiled cable to avoid damage during tower operation
- Control panel alarms for engine protection and fuel level indicator
- Electrical protection from overload and circuit breaker
- External emergency stop button
- Fully bounded tank, 110%
- Wind stability up to 80km/hr
- 4 height adjustable stabilizers
- On-board levels for guidance during stabilization

- Engine performance according to ISO 3046, BS 5514, DIN 6271.
- Alternator performance according to NEMA-MG1, BS 5000, DIN EN, relevant ISO, IEC60034.
- Breaker complies with IEC – 60947-2.

Lighting Mast & Trolley

No. of Lamp	4 x 400 Watt LED Lights
Trolley Axle	SINGLE
Number of wheel	2
Lifting type	High Capacity Durable Auto Break Winch System
Maximum height	7.0m
Rotation deg.	340 Degree Rotatable Mast

Canopy Details

Enclosure	Heavy Gauge Steel
AUX Socket and Switches	AUX (1 x 32A 3Ph) (Optional)
Drainage	Fuel & Water Drainage Provision
Ingress Protection	IP 23
Canopy RAL Color	RAL 9010 - Powder Coated
Base Frame RAL Color	RAL 9010 - Powder Coated
Noise pressure level@	60db(A) +/- 3@ 7mt

Lighting Tower Specification, Min

Length	DSE 4520 MK11
Width (Retracted)	MRS / AMF (Optional)
Height (Retracted)	Graphic Back-Lit LCD
Weight(Without Fuel)	Sealed Front Face (IP65)

Lighting Tower Specification, Max

Length	DSE 4520 MK11
Width (Retracted)	MRS / AMF (Optional)
Height (Retracted)	Graphic Back-Lit LCD
Weight(Without Fuel)	Sealed Front Face (IP65)

Applications



Oil & Gas



Construction Sites



Agricultural Operations



Hard to Reach Areas



Mining



Events



Military Applications



Emergency Response & Disaster Relief

THE TOP CHOICE FOR MOBILE LIGHTING SOLUTIONS.



*Image for illustration purposes only.

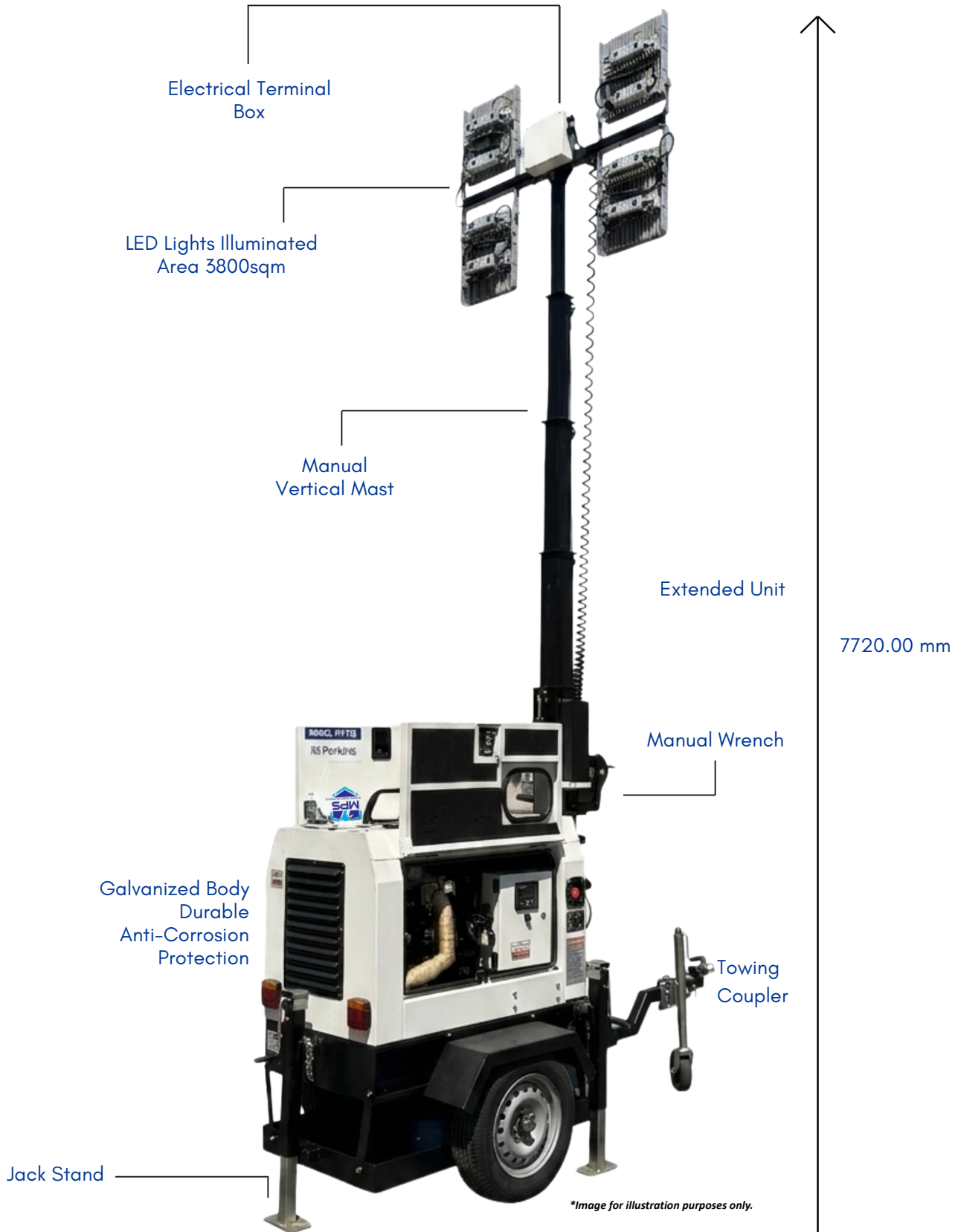
TECHNICAL DATA SHEET

Powered By:



Comply With Standards:

- Engine performance according to ISO 3046, BS 5514, DIN 6271.
- Alternator performance according to NEMA-MG1, BS 5000, DIN EN, relevant ISO, IEC60034.
- Breaker complies with IEC – 60947-2.



CONTACT US

Address: JAFZA One Office #B725, Jebel Ali Free Zone, Dubai, UAE

✉ info@mpsfe.com ☎ +971 48742229 🌐 www.mpsfe.com