

# OLIKARA LIGHTING TOWERS PVT LTD



**QUBE** *power* **MAX**  
PORTABLE LIGHT TOWER

PRODUCT SPECIFICATION SHEET  
UK/EU Spec  
*Updated Jan/2026*

## LIGHT TOWER DETAILED SPECIFICATIONS

| SPEC                           | DETAILS  |
|--------------------------------|--|
| <b>POWER SYSTEM</b>            |  |
| ENGINE MANUFACTURER            | Mitsubishi L2E; Stage V certified  |
| ENGINE MANUFACTURER (OPTIONAL) | Kubota (2 & 3 cylinder); Stage V certified   |
| ENGINE CYLINDERS               | 2 cylinder, 4 stroke, water cooled, 1500 rpm   |
| ENGINE SAFETY #1               | Low oil pressure engine shutdown   |
| ENGINE SAFETY #2               | High coolant temperature engine shutdown   |
| ENGINE SAFETY #3               | Low fuel engine shutdown to prevent air lock during restart  |
| ENGINE SAFETY #4               | Over cranking protection   |
| ENGINE SAFETY #5               | Overspeed / underspeed of engine will shutdown engine preventing damage.   |
| ENGINE SAFETY #6               | Delay timer allows LED load only after engine reaches full speed.  |
| ENGINE BATTERY                 | 45Ah with 350CCA battery (CE certified)  |
| ENGINE BATTERY PROTECTION      | Battery Isolator located outside on the canopy   |
| ELECTRICAL SYSTEM DISPLAY      | Genset controller; Deepsea 4520; CE certified  |
| GENSET BUNDING                 | Engine fluid leakage is protected by drip tray that is 110% of all engine fluids (oil + coolant) volume. Drip tray has a drain.                                      |
| TELEMETRY (OPTIONAL)           | Deepsea Gateway with SIM card  |
| ALTERNATOR                     | NSM (Italy); Brushless and capacitor excited   |
| ALTERNATOR RATING              | 3kVA @ 1500 rpm<br>(230VAC single phase @ 50Hz) (CE certified)   |
| MAIN ELECTRICAL PROTECTION     | 1 x 2 pole Schneider RCBO 16A (All CE certified)   |
| <b>FUEL SYSTEM</b>             |  |
| FUEL TANK CAPACITY             | 100 liters (DIESEL) with 110% bunding.<br><b>170 liter diesel tank available as OPTIONAL</b>   |
| FUEL RUNTIME                   | 110 hours on LED load  |
| FUEL FILTER SYSTEM             | 2 inline diesel filters.   |
| FUEL MONITORING                | Mechanical fuel gauge with view port   |
| FUEL MONITORING                | Fuel sensor with cutoff  |
| <b>ELECTRICAL SYSTEM</b>       |  |
| LAMP WATTAGE & TYPE            | 4 nos of high lumen output 400W LED with special asymmetric lenses for better ground coverage and low light loss to the sky.. LEDs and LED drivers are CE certified. |

| SPEC                               | DETAILS  |
|------------------------------------|--|
| LAMP LUMENS & COVERAGE             | 216,000 lumens / 7,000m <sup>2</sup>   |
| LAMP PROTECTION                    | Schneider MCBs on electrical panel. (All CE certified)   |
| COIL WIRE RATING AND SPEC          | 1 nos coil wire with TPE and PUR jacket which is UV and wear resistant   |
| LAMP AUTOMATION                    | Dusk to Dawn sensor on mast will turn ON and OFF machine based on ambient lighting   |
| OUTPUT POWER SOCKET                | 1 nos 3 pin industrial female socket rated for upto 1kW of auxiliary load.   |
| ELECTRICAL SAFETY                  | Earth-Neutral Link provided offering extra safety  |
| ELECTRICAL SAFETY                  | E-Stop present outside canopy on left side of machine  |
| ELECTRICAL COMPLIANCE              | All wiring meets UK/EU standards and color coding.   |
| <b>MAST SYSTEM</b>                 |  |
| MAST TYPE & FINISH                 | Vertical tower with plated tubes for superior rust protection. Outer tube, dual coated with CED and PP powder coating.   |
| LUMINAIRE ARM TILT                 | Arm can be tilted and locked manually in 3 angles; facing down, 40deg with horizontal and 75 deg with horizontal.  |
| LUMINAIRE ELECTRIC TILT (OPTIONAL) | Luminaire arm can be electrically tilted from the operator panel.  |
| MAST HYDRAULIC UNIT                | Hydraulic mast with DC Bucher 12V, 1.5kW powerpack. 15 sec for extension to full height. (CE certified)<br>Manual override valve available to manually bring down tower. |
| MAST ROTATE<br>0 deg to 350 deg    | Manual rotation with ability to lock tower.  |
| PULLEY TYPE                        | All pulleys zinc flake surface coated and containing sealed bearings for precision with superior performance and life  |
| MAST EXTENDED HEIGHT               | 8 meters   |
| <b>CANOPY AND TRAILER</b>          |  |
| CANOPY BODY FINISH                 | All canopy metal parts are powder coated with PP powder that is UV resistant and corrosion resistant   |
| VIBRATION PROTECTION               | Engine + alternator unit are mounted on vibration pads to ensure low vibration   |
| AVG SOUND PRESSURE                 | 58dB at 7 meters (Super silent)  |
| OUTRIGGERS                         | 4 plated stabilizer jacks on outriggers + 1 jack on drawbar  |
| MACHINE SUSPENSION                 | Leaf suspension  |
| AXLE                               | Rigid axle with ALKO braked hubs; 5 bolt;  |
| TIRES                              | 13" pneumatic tires 155R13   |
| TOWING OPTION                      | ALKO towbar with 50mm ball hitch, hand brake and inertial braking  |
| TAIL LIGHT WIRING                  | Tail lights, triangular reflector and license plate light available.   |

| SPEC                                     | DETAILS   |
|--|---|
| TOWING PLUG                              | Trailer 7 round pin plug  |
| CANOPY COLOR                             | Orange / Black<br><b>Other color combinations available as OPTIONAL</b>   |
| WARNING ALARMS                           | Battery charging, Low oil pressure indication, High oil temperature indication, Fuel empty indicator, overspeed, underspeed, High battery voltage, Low battery voltage, Genset over voltage, Genset under voltage, Load over current. |
| DIMENSIONS (TRAVEL)<br>LxWxH (meters)    | 2.5 x 1.44 x 2.3  |
| DIMENSIONS (OPERATION)<br>LxWxH (meters) | 2.5 x 2.74 x 7  |
| DRY WEIGHT                               | 680 Kg  |

