

PERFECT[®]
SOLVING YOUR POWER NEEDS...

MOBILE LIGHT TOWER



www.perfecthouseltd.in



Technical details

SPECIFICATION	MODELS				
RATED POWER in kW	5.0	5/ 7.5	2.5	7.5	7.5
LUMINAIRES					
Type of Light	LED	LED	LED	LED	LED
Wattage	4 No'S X 350 W	4 No'S X 350 /400 W	4 No'S X 200 W	4 No'S X 400 W	4 No'S X 400 W
Total Lumens Output	196000 Lumens	196000 / 228000 Lumens	20000 Lumens	228000 Lumens	228000 Lumens
Lumens per Watt	140 Lm/W	140 /142 Lm/W	100 Lm/W	142 Lm/W	142 Lm/W
Light Coverage in Square Meters	5400 Sq m	5400/6250 Sq m	3400 Sq m	6250 Sq m	6250 Sq m
DIESEL ENGINE					
Engine Make	KOHLER	KOHLER	YANMAR	YANMAR	KUBOTA
Engine Model	KD440	KDW702	L48N6	3TNV76-GGEA	D1105-E4BG1-SAE-2
Engine Horsepower (Continuous)	7.0	6.4 / 12.4	3.6	13.0	11.3
Engine Power (KW) (Continuous)	5.1	4.8 / 9.3	3.1	9.8	8.4
Engine Speed (RPM)	3600	1800 / 3600	3600	1800	1800
No. of Cylinders	1	2	1	3	3
Specific Fuel Consumption (Approx.)	245gm/kwhr	256gm/kwhr	260gm/kwhr	248gm/kwhr	258gm/kwhr
FUEL TANK					
Fuel Tank Capacity	80 Litres	120 Litres	80 Litres	120 Litres	120Ltr
Fuel Tank Run Hrs	120.0	120 / 75.0	120.0	75.0	75.0
ALTERNATOR					
Alternator Make	NSM/ Stamford /Mecc Alte	NSM/ Stamford /Mecc Alte	NSM/ Stamford /Mecc Alte	NSM/ Stamford /Mecc Alte	NSM/ Stamford /Mecc Alte
Rated Output	5.0 kVA	5.0 / 8.0 kVA	3.0 kVA	8.0 kVA	8.0 kVA
Alternator Degree of Protection	IP23	IP23	IP23	IP23	IP23
Rating Voltage (Volt)	110/120/220/230 V	110/120/220/230 V	110/120/220/230 V	110/120/220/230 V	110/120/220/230 V
Frequency (Hz)	60Hz	60Hz	60Hz	60Hz	60Hz
MAST					
Type	Manual-Vertical / Telescopic Tilted / Foldable Operation Winch and Each Operation Interlocked,	Manual-Vertical / Telescopic Tilted / Foldable Operation Winch and Each Operation Interlocked,	Manual-Vertical / Telescopic Tilted / Foldable Operation Winch and Each Operation Interlocked,	Manual-Vertical / Telescopic Tilted / Foldable Operation Winch and Each Operation Interlocked,	Manual-Vertical / Telescopic Tilted / Foldable Operation Winch and Each Operation Interlocked,
Maximum Height (Metres)	6 / 7.5 / 9	6 / 7.5 / 9	6 / 7.5 / 9	6 / 7.5 / 9	6 / 7.5 / 9
Number of Mast Section	5.0	5.0	5.0	5.0	5.0
Mast Rotation	359? with locking system & manual operation	359? with locking system & manual operation	359? with locking system & manual operation	359? with locking system & manual operation	359? with locking system & manual operation
Mast Erection Time	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes	< 2 minutes
Wind Speed Stability	110 Km/hr	110 Km/hr	110 Km/hr	110 Km/hr	110 Km/hr
ENCLOSURE AND TRAILER	Enclosure : Gull-Wing Type Metal Body Compliance to CPCB II, Trailer : 2 Wheel Monoque Flat Bed	Enclosure : Gull-Wing Type Metal Body Compliance to CPCB II, Trailer : 2 Wheel Monoque Flat Bed	Enclosure : Gull-Wing Type Metal Body Compliance to CPCB II, Trailer : 2 Wheel Monoque Flat Bed	Enclosure : Gull-Wing Type Metal Body Compliance to CPCB II, Trailer : 2 Wheel Monoque Flat Bed	Enclosure : Gull-Wing Type Metal Body Compliance to CPCB II, Trailer : 2 Wheel Monoque Flat Bed
DIMENSIONS & WEIGHT (TELESCOPIC MAST)					
L X W X H (Minimum) in mm (Retracted)	2400 x 1350 x 3242	2575 x 1694 x 3242	2400 x 1350 x 3242	2575 x 1694 x 3242	2575 x 1694 x 3242
L X W X H (Maximum) in mm (Extended)	2400 x 1350 x 9000	2575x 3100 x 9000	2400 x 1350 x 9000	2575x 3100 x 9000	2575x 3100 x 9000
Dimensions for Transport in mm	2700 x 1750 x 2500	2700 x 1750 x 2500	2700 x 1750 x 2500	2700 x 1750 x 2500	2700 x 1750 x 2500
Weight in Kgs	800 (Approx)	850 / 900 (Approx)	780 (Approx)	850 (Approx)	900 (Approx)



Mining



Railway



Construction



Highway



Construction Field



Rental



Refinery



Power Plant



Cement Factories



Defense



Metro



Dockyards



Construction Field



Airport



Infrastructure Projects



Steel Plants

Special Features

- » Anti corrosion treated steel canopy designs which are excellently suitable for mobility in works performed in open areas and suitable for crane and forklift usages Exhaust muffler embedded in the cabin
- » Emergency stop button located on the cabin
- » Air-suction duct passage developed to provide homogeneous cooling in the cabin
- » Works class painting system reinforced against corrosion and oxidation
- » Excellent performance in terms of sound emission to 68 db(A) @ 23 ft (7 m) at Prime Power
- » Auxiliary Power Sockets
- » Collapsible tow-bar

DSEL401 MKII

Lighting Tower Control Modules

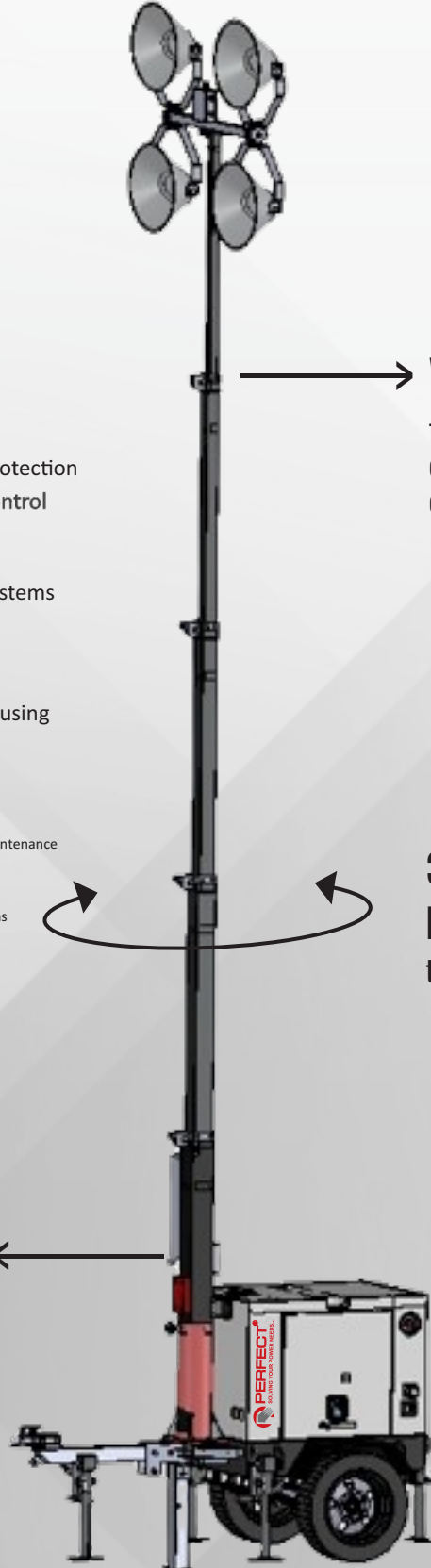


- 3 phase generator sensing
- Extremely efficient power save mode
- Generator / load current monitoring and protection
- Lighting tower mast and holding support control
- Automatic & Manual light control
- Automatic light sequencing
- Compatible with 600 V Ph to Ph nominal systems
- Individual lighting control
- Configurable light re-strike timer
- Extremely efficient power save mode
- Fuel and crank outputs, configurable when using CAN

KEY BENEFITS

- High number of inputs & outputs ensure module flexibility
- Hours counter provides accurate information for monitoring and maintenance periods
- Multiple parameters are monitored simultaneously
- It can be configured to suit a wide range of lighting tower applications
- Compatible with a wide range of CAN engines
- Fuel monitoring provides the ability to turn off lights
- IP65 rating offers increased resistance to water ingress

ERGONOMIC 1-hundled ←
manual which standard;
electric which option



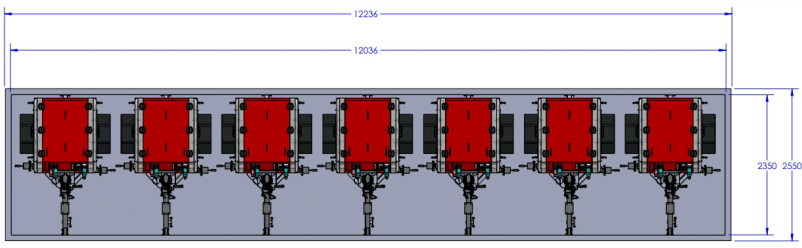
VERTICAL MAST

for quicker, easier
deployment and more
compact storage

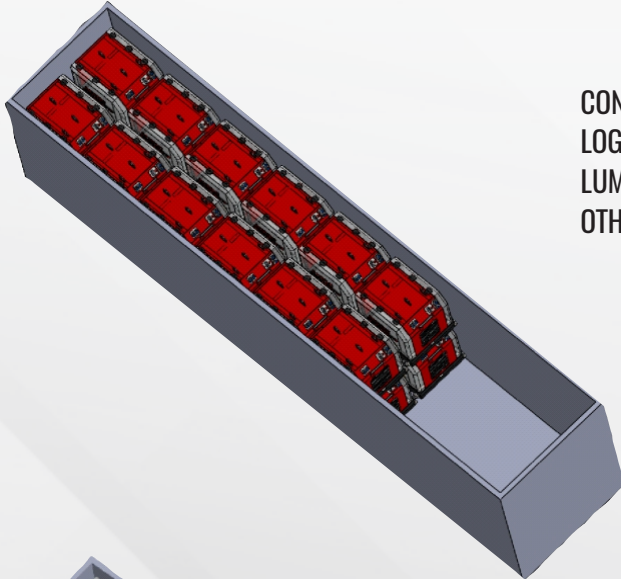
**359° GROUND
ROTATION MAST** for
total illumination on-site

CORROSION-PROOF

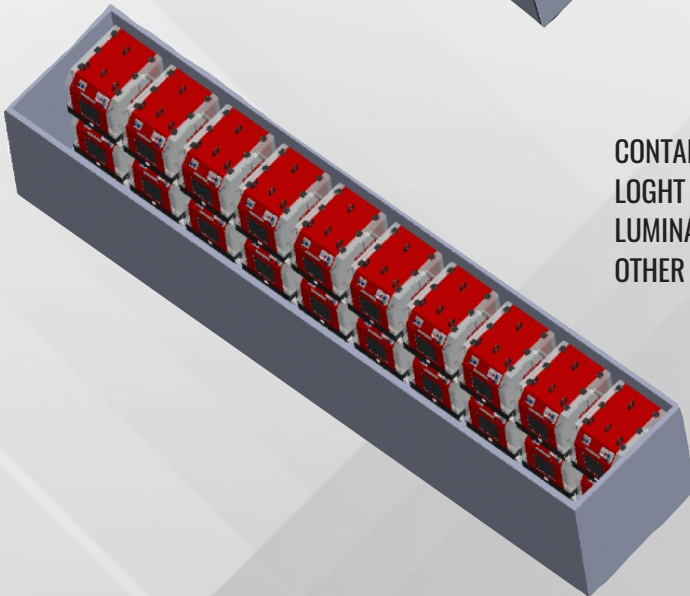
ENCLOSURE withstands
tough applications and
looks better longer



CONTAINER - HIGH CUBE 40' X 8'
 LOGHT TOWER - 7 NOS
 LUMINAIRES - 28 NOS, SEPARATELY PACKED IN BOXES



CONTAINER - HIGH CUBE 40' X 8' X 9' 6"
 LOGHT TOWER - 24 NOS
 LUMINAIRES - 96 NOS, SEPARATELY PACKED IN BOXES
 OTHER PARTS - SEPARATELY IN BOXES, AND WILL BE ASSEMLED AT SIGHT



CONTAINER - HIGH CUBE 40' X 8' X 8' 6"
 LOGHT TOWER - 20 NOS
 LUMINAIRES - 80 NOS, SEPARATELY PACKED IN BOXES
 OTHER PARTS - SEPARATELY IN BOXES, AND WILL BE ASSEMLED AT SIGHT

Perfect House Pvt. Ltd.

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