

DP-LT4

STANDARD AIR-COOLED GENERAL LIGHT TOWER



(Above picture just for reference, the actual object might be a bit different)

LAMPS: 4*320W LED / 4*1000W MH

GEN-SET RATED POWER: 5-6.0 / 5.4-6.5 kVA @50/60Hz



DIESEL



AIR COOLED



FOLDABLE MANUAL MAST

MANUAL FOLDABLE

Light You Up

Edition 202401

P1 - 4

Features & Benefits

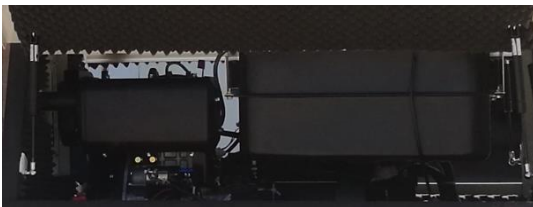
(STANDARD)

- **Compact Canopy/Main Body but Big Flap Doors**



- Small air-cooled single cylinder diesel engine, small alternator, small canopy, very compact, the loading quantity up to 30 units/40'GP.
- When doors flapping up, very convenient for operation & maintenance.

- **Big 33L Fuel Tank**



Big 33L fuel tank, offering > 20 hours continuous running, less times of fuel filling.

- **IP67 Fast Aviation Connectors**



The aviation/industrial sockets and plugs of IP67 protection class make connections of wires and lamps faster and safer.

- **Mast: High Security & Balance, Electroplating+Powder Coating**



- Special "double-cable" of stainless steel for the telescopic mast, offering higher security & balance.
- Special nylon blocks, cushions make the extending of the masts stable, smooth & safe.
- Electroplating for all sections of the mast and plus powder coating for the bottom section, offering strong anti-rust ability.

- **Adjustable Hitch**



The height of the hitch can be adjustable, which makes the connection with tractors easier.

Features & Benefits

(OPTIONAL)

➤ LED 320W / MH 1000W Lamps



LED SMD1



SMD2



COB1



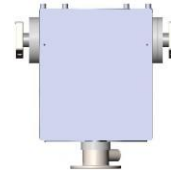
LED COB2



Metal Halide(MH) 1000W

* More lamps of different types/prices are available.

➤ Lamps Electrical Tilting/Rotating; Braking System



- With an electric linear actuator, the lamps/ crossbeam can be tilted electrically and remotely. With an electric pan-tilt, you can even rotate the whole crossbeam besides tilting. The lights can be projected easily to any place you want.
- Handbrake system makes the parking safer and easier. Mechanical or hydraulic inertia brake optional, makes the parking automatically.

Comparisons of LED vs. MH (main):

Performance Data			Energy Saving Data		
Lamps Type	320W LED	1000W MH	Lamps Type	320W LED	1000W MH
Luminous Efficiency of Light Sources (Bulbs/LED Chips)	170Lm/W	100Lm/W	Power Consumption per Lamp (W)	323	1,200
Efficiency of Power Sources (Ballasts/Drivers)	93%	85%	Number of Lamps per Unit	4	4
Efficiency of Lamphouses	>90%	<60%	Power Consumption per Unit (W)	1,292	4,800
Actual Luminous Efficiency / Flux of Whole Lamps	142 Lm/W ; 45,440 Lm/Lamp	51 Lm/W ; 51,000 Lm/Lamp	Running Hours per Day (Supposed)	8	8
CRI (Ra)	75	65	Working Days per Year (Supposed)	180	180
Based on above data, 320W LED can replace 1000W MH.			Power Consumption per Year (kW.h)	1,860	6,912
Time to Reach Full Luminance after Cold Starting	No	10 minutes	Conversion Efficiency (Transfer Diesel to Electricity) (kW.h/L)	3.5	3.5
Retarting Intermittence	No	30 minutes	Fuel Consumption per Year (L)	532	1,975
Strobe Flash	No	Yes	Local Fuel Price		
IP Class	IP66	IP54	Fuel Cost per Year		
Life Expectancy	50,000 hrs	10,000 hrs	Fuel Saved per Year with LED (L)	1,443	
Warranty	3 years	1 year	Fuel Cost Saved per Year with LED		

* You can calculate in the blank☺

Summaries:

- **Running Cost:** Due to its lower fuel consumption, LED saves about 3/4 vs. MH;
- **Maintenance Cost:** Due to its much longer life & warranty, LED is much lower than MH;
- **Initial Purchase Cost:** Some LED lamps of good quality might just be a bit higher than MH;
- **Operating Convenience:** LED has shorter/no start response time, no break before restarting;
- **Auxiliary Power Output:** With the same generator, using LED can offer more power to other electric tools...



LED is more Energy/Money-Saved, Environment/Human-Friendly; LED is a Cleaner, Economical Light Source!

Specification DP-LT4 STANDARD AIR-COOLED GENERAL MANUAL



Altitude	≤1500 M
Ambient Temperature	-25 ° C ~ 50 ° C
Trailing Speed	< 40 km/H
Wind Speed	< 40 km/H
Place of Use	Outdoors

Model.....	DP-LT4
Fuel Tank Capacity.....	33 L
Dry Weight (no fuel, oil, water).....	375 kg
Dimensions L×W×H Retracted.....	3000*1060*1500 mm
Dimensions L×W×H Unretracted.....	1950*2260*7000 mm
Noise Level @ 7M.....	≤ 75 dB(A)
Battery System.....	V
Container Loading.....	15 units / 20'GP; 30 units/ 40'

Light & Tower

Lamps Power	4*1000W Metal Halide / 4*320W LED
Luminous Flux(Light Source)	440,000 / 140,800-217,600 lm
Lifetime of lights	10,000 / 50,000 hours
Tower Height	6.7 M
Mast Extension	Manual, Foldable
Lamps Rotation	Manual, 340° (Electric control Optional)
Lamp Tilting	Manual (Electric & remote control Optional)

Engine

Engine Model	DAS PRO LA192FGE
Displacement	499 / 442 cc
Engine Speed	3000 / 3600 rpm @ 50 / 60 Hz
Fuel Consumption & Cont. Running Time (100% load)	< 1.5 L/H; (280 g/kW.h) > 20 Hours (only using lights, will be more)
Engine Type	Air-cooled, 4-stroke, Diesel, 1-Cylinder

Alternator & Gen-set

Alternator Model	DAS PRO TFDY-6
Excitation System	Brush, self-exciting with AVR
Protection/Insulation Class	IP22 / F
Gen-set Rated Power	6.0 / 6.5 kW @ 50/ 60Hz, 1-phase, P.F.1.0; 5.0 / 5.4 kW @ 50/ 60Hz, 1-phase, P.F.1.0
Output Voltage	110/120/220/230/240V
Control System	Mechanical, with key starter

Trailer

Wheel Size	12"
Suspension	Leaf Spring, Single Axle
Tow-bar Height	Fixed (Adjustable Optional)
Hitch	Ball 2" / Ball 50mm / Ring
Hand Brake	Optional
Stabilizers	5, Manual (4 outriggers+1 wheeled jack)
Taillights	Turning, Braking