

## NATIONNAL RESERVE

### PB1600TMW



- Metal Halite Lamp 1000W x 6 lamps can be used with home electric system 220 Vol/50Hz and generator.
- High luminance (660,000 lm)
- New unique high pressure aluminum lamps.
- Equipped with generator available for diesel and gasoline engine, more flexibility, more professional.
- Telescopic, mechanical, 3 stages mast up to 9.2m.
- Full 360° mast rotation, light bar 120° turnover, full range lighting, independent lamp switch for each light.
- Safety Winch combine with the green winch with steel wire rope and the green lid.
- Mast Safety Lock: catches the mast in the event of the lifting wire rope breaking to protect the fallen of mast.
- Tractive design; loading and unloading configuration: hoisting ring & forklift holes.
- There are 5 Outriggers support legs, thickened box, can be decomposed Trailer traction rod & easy transportation.
- Standard equipped with inflatable, high performance off-road tires 225/70R16. More accord with complex traffic environment to use, such as disaster areas.
- Heavy-duty winch design and manual winch for raising and lowering mast.
- Emergency shutdown protection and Residual current device (RCD) protection.
- Separate lockable, weather protected, powder-coated steel door.
- Optional hand brake with ring or ball hitch.
- Retractable draw bar.
- Maximum inclination working is not more than 10°.
- Anti-wind for 8m/s.



PREMIER FOOD AND MACHINERY.CO.LTD  
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**LITEMAN**  
Mobile Lighting

# PB 1600TMW



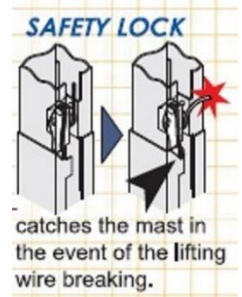
Light bar 120° waving



Lamp  
380mm×340mm



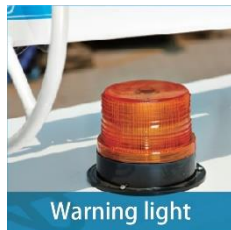
Alloy die cast  
aluminum lamps



SAFETY LOCK  
catches the mast in  
the event of the lifting  
wire breaking.



Operation warning



Warning light



Battery connection switch



Box screw  
fixed assembly



Standby socket  
connects 220VAC converter



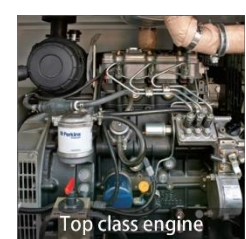
Control system



Mast automatic  
locking device



Extra fuel tank



Top class engine



Off-road suspension



Fixed rubber  
torsion shaft



International standard  
external power supply



Retractable leg



LED taillights



## Metal Halite VS Halogen



### Metal Halide (1000W)

110,000 lumen

5.2 A

15 minutes

10,000 hours

130 euro

BRIGHTNESS

REQUIRED  
AMPERAGE \*

RESTRKE TIME

LIFE HOURS

LAMP COST

### Halogen (1000W)

27,000 lumen

20.2 A

0 min.

300 hours

8 euro

### Characteristic and lamp cost

Metal halide bright more than 4 times

Metal halide safe 75%

Halogen no warm up time

Metal halide life hours more than 5 times

Electricity cost : 0.1 euro / KWh  
Running time : 500 hours / year

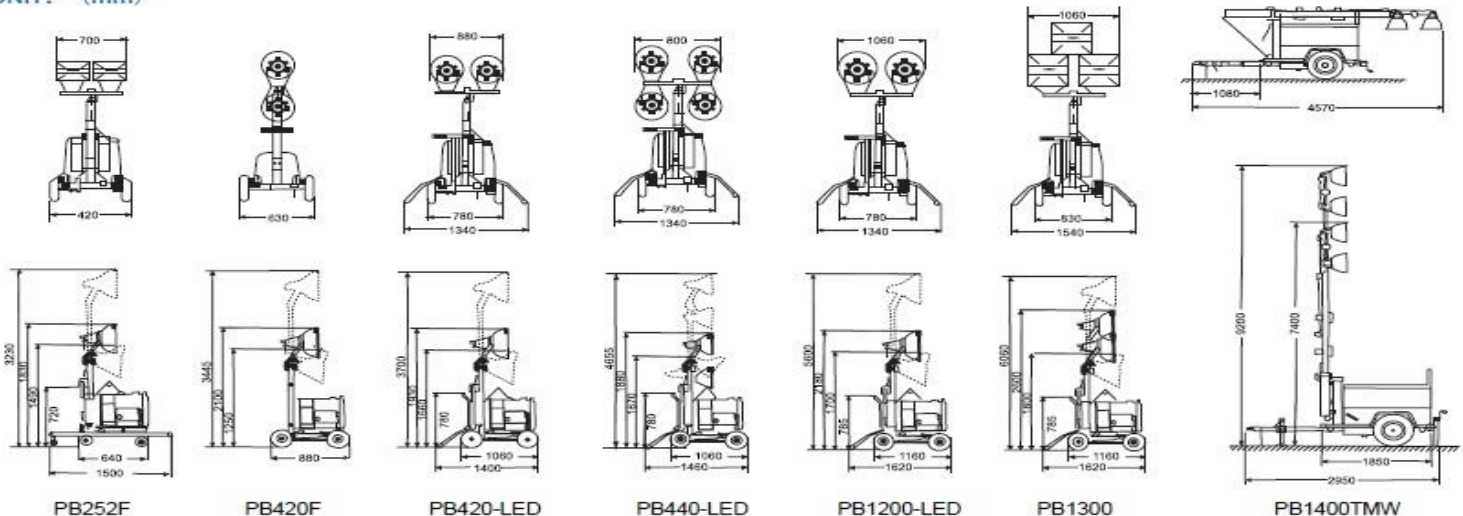
### Running Cost

	Metal Halide	Halogen
Lamp cost	130 euro	8 euro
Lamp life	10000 hours	300 hours
Required lamp power	1000W	3889W
Energy cost	50 euro / year	194 euro / year
Lamp cost	6.5 euro / year	13.3 euro / year
Lamp-replacement labor cost	0.3 euro / year	10.4 euro / year
<b>TOTAL ANNUAL COST</b>	<b>56.8 euro</b>	<b>217.7 euro</b>

\* Lamp-replacement cost assumes 15 min. per lamp at 25 euro / hour

## PROJECTION LIGHTING VEHICLE

UNIT: (mm)





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## BALLOON LIGHT SPECIFICATIONS

Items \ Model		PB410-400BLED	PB1000BA		PB1000BS-LED		PB1000BWS-LED		PB1000B-LED		PB2000B		PB3000B		PB3000BT	
Generator	Type	YAMAHA EF1000	HONDA EC2600CX	YAMAHA EF2600FW	HONDA EG4000CX	YAMAHA EF4000FW	HONDA EC2600CX	YAMAHA EF2600FW	YAMAHA EF2600FW		HONDA EG4000CX	YAMAHA EF4000FW	HONDA EG5000CX		PB3000BT KD E600E	YAMAHA EF5200EFW
	Rated voltage	220V	220V		230V	220V	220V		220V		230V	220V	230V		220V	220V
	Rated frequency	50HZ	50HZ		50HZ	50HZ	50HZ		50HZ		50HZ	50HZ	50HZ		50HZ	50HZ
	Rated output	0.7KVA	2.0KVA	2.0KVA	3.2KVA	2.9KVA	2.0KVA	2.0KVA	2.0KVA		3.2KVA	2.9KVA	4.0KVA		5.5KVA	3.8KVA
	Maximum output	0.9KVA	2.2KVA	2.3KVA	3.6KVA	3.3KVA	2.2KVA	2.3KVA	2.3KVA		3.6KVA	3.3KVA	4.5KVA		5.9KVA	4.5KVA
	Fuel	93#Gasoline	93#Gasoline		93#Gasoline		93#Gasoline		93#Gasoline		93#Gasoline		93#Gasoline		Diesel	Gasoline
	Fuel consumption	0.5L/hr	1.13L/hr	1.2L/hr	2.0L/hr	2.0L/hr	1.13L/hr	1.2L/hr	1.2L/hr		2.0L/hr	2.0L/hr	2.5L/hr		2.7L/hr	2.6L/hr
	Working hours	7.7hr	13hr	10hr	11.9hr	11.9hr	13hr	10hr	10hr		11.9hr	11.9hr	9.5hr		37hr	8.7hr
	Fuel tank capacity	3.8L	15L	12L	25L	24L	15L	12L	12L		25L	24L	24L		100L	25L
	Net weight	23kg	45kg	42kg	79kg	71kg	45kg	42kg	42kg		79kg	71kg	82.5kg		100kg	88kg
Light Tower Body	Watt x number	180W x 1Lamps	1,000W x 1Lamps		LED 1000w		LED 1000w		LED 1,000W		1,000W x 2Lamps		1,000W x 3Lamps		1,000W x 3Lamps	
	Total luminousness	36,000lm	110,000lm		220,000lm		220,000lm		220,000lm		220,000lm		330,000lm		330,000lm	
	Number of expandable	2	Bend type		3		4		4		5		5		3	
	Length of expandable	2,750mm	1,385-3,630mm		1,725-6,100mm		1,280-4,170mm		2,220-4,960mm		2,220-5,770mm		3,000-6,100mm		Max 9.2m	
	Retracted LWH	1,100 x 550 x 800mm	-- --		--- --		530 x 530 x 1,280mm		1080 x 780 x 1,660mm		1,160 x 830 x 1,670mm		1,530 x 950 x 2,200mm		4,570 x 1,550 x 1,500mm	
	Maximum inclination	< 10°	< 10°		< 10°		< 10°		< 10°		< 10°		< 10°		< 10°	
	Anti-wind	≤6	≤6		≤6		≤6		≤6		≤6		≤6		≤8	
Total weight		45kg	59kg		70kg		75kg		135kg		208kg		308kg		720kg	

## FLOODLIGHT SPECIFICATIONS

Model		PB420F-LED	PB420-LED	PB440-LED	PB1200-LED	PB1300	PB1400TMW	PB1400THW	PB1600THW-L	PB1800THW-LED	PB1800THW-L-LED
Items	Type	YAMAHA EF2600FW	YAMAHA EF2600FW	YAMAHA EF2600FW	YAMAHA EF2600FW	HONDA EG5000CX	DAISHIN SGB700H-Sa	KUBOTA D1105	KUBOTA D1703	KUBOTA D1105	KUBOTA D1105
Generator	Rated voltage	220V	220V	220V	220V	230V	220V	220V	220V	220V	220V
	Rated frequency	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ
	Rated output	2.0KVA	2.0KVA	2.0KVA	2.0KVA	4.0KVA	5.5KVA	8.4KVA	12.8KVA	8.4KVA	8.4KVA
	Maximum output	2.3KVA	2.3KVA	2.3KVA	2.3KVA	4.5KVA	6.0KVA	9.5KVA	15KVA	9.5KVA	9.5KVA
	Fuel	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	Diesel	Diesel	Diesel	Diesel
	Fuel consumption	1.2L/hr	1.2L/hr	1.2L/hr	1.2L/hr	2.5L/hr	2.8L/hr	2.3L/hr	2.8L/hr	2.3L/hr	2.3L/hr
	Working hours	10hr	10hr	10hr	10hr	9.5hr	9hr	48hr	37hr	48hr	48hr
	Fuel tank capacity	12L	12L	12L	12L	24L	25L	105L	105L	105L	105L
	Net weight	42kg	42kg	42kg	42kg	82.5kg	85kg	142kg	155kg	142kg	142kg
Light Tower Body	Watt x number	LED180x2	LED180x2	LED180x4	LED400x2	1,000W x 3 Lamps	1,000W x 4 Lamps	1,000W x 4 Lamps	1,000W x 6 Lamps	LED400W x 6	LED400W x 8
	Total luminousness	72,000lm	72,000lm	144,000lm	220,000lm	330,000lm	440,000lm	440,000lm	660,000lm	660,000lm	880,000lm
	Number of expandable	2	4	4	4	5	3	3	3	3	2
	Length of expandable	1550-2850mm	1,820-4,650mm	1,820-4,650mm	1,880-4,650mm	2,600-6,100mm	Max 9.0m	Max 9.0m	Max 9.2m	Max 9.4m	Max 9.5m
	Retracted LWH	880 x 420 x 1550mm	1080 x 780 x 1,660mm	1080 x 780 x 1,660mm	1080 x 780 x 1,660mm	1,160 x 830 x 1,800mm	4,570 x 1,550 x 1,500mm	4,570 x 1,650 x 1,900mm	4,570 x 1,750 x 2,100mm	4,670 x 1,750 x 2,200mm	5,300 x 2,000 x 2,400mm
	Maximum inclination	< 10°	< 10°	< 10°	< 10°	< 10°	< 10°	< 10°	< 10°	< 10°	< 10°
	Anti-wind	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Total weight	79.5kg	125kg	135kg	142kg	239kg	950kg	1150kg	1250kg	1350kg	1550kg	





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## Certificate

LITEMAN is committed to developing practical lighting solutions and has received CE Certificate, ISO9001 Certificate, and ISO14001 Certificate.

