



PREMIER FOOD AND MACHINERY.CO.LTD  
68/76-77 Moo5 Rama2Rd., Jomthong Dist, Bangkok 10150 Thailand  
Tel (66-2)476-6901, 477-1045, 476-9690, 877-0525-7

**LITEMAN**  
Mobile Lighting

## NATIONNAL RESERVE

### PB420F

- Metal Halite Lamp 400W x 2 lamps can be used with home electric system 220 Vol/50Hz and generator.
- High luminance (72,000 lm).
- Easy to carry when folded.  
Optional railway wheel.  
Easy to move on the railway with railroad wheels.
- Light pollution-free. It protects the environment and improves construction conditions.
- Applicable for the safety construction of highways, expressways and airport.
- Equipped with generator available for diesel and gasoline engine, more flexibility, more professional.
- Adopts manual mechanical lifting mast: 4 stages up to 4.650m, 360° rotation and 120° turn over.
- Safety Winch combine with the green winch with steel wire rope and the green lid.
- Tractive design; loading and unloading configuration: hoisting ring & forklift.
- Structure: The Chassis made from Galvanizing Q235 Cold Rolled Steel. The Mast made from Stainless Steel 304. Stronger, rustproof and more durable.
- There are Outriggers with dual structures and directions and easy-moving with footbrake.
- Standard equipped with inflatable, high performance tires. More accord with complex traffic environment to use, such as disaster areas.
- Maximum inclination working is not more than 10°.
- Anti-wind for 6m/s.
- 2017 models, Whole stamping process chassis, stronger, more durable.

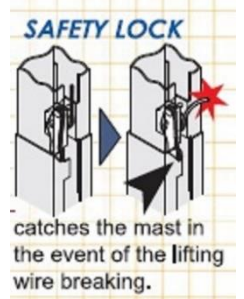
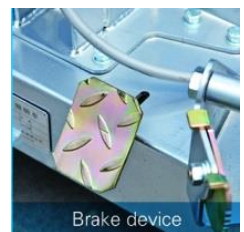




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# PB420



6 units can be loaded on a 2t truck



## Metal Halide VS Halogen



### Metal Halide (1000W)

110,000 lumen

5.2 A

15 minutes

10,000 hours

130 euro

BRIGHTNESS

REQUIRED  
AMPERAGE \*

RESTRICK 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

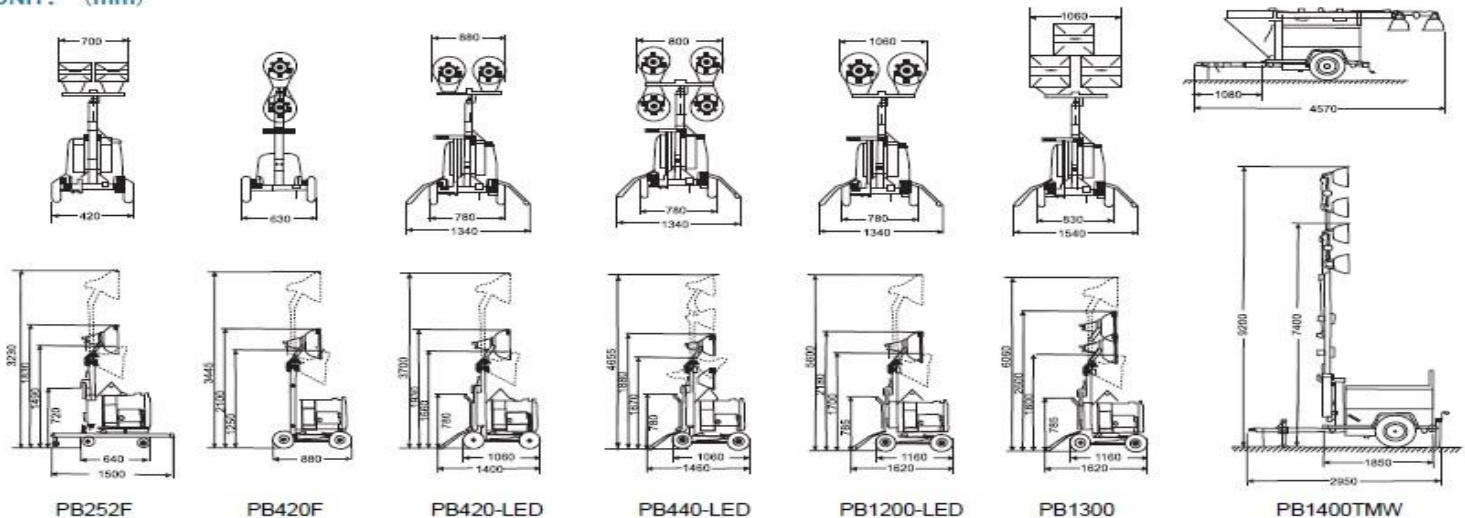
### Running Cost

	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
TOTAL ANNUAL COST	56.8 euro	217.7 euro

\* 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 EG6000CX	PB3000BT KD E6600E	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 ouput	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	9.7hr
	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

Items	Model	PB420F-LED	PB420-LED	PB440-LED	PB1200-LED	PB1300	PB1400TMW	PB1400THW	PB1600THW-L	PB1600THW-L-LED	PB1600THW-L-LED
Type	YAMAHA EF2600FW	YAMAHA EF2600FW	YAMAHA EF2600FW	YAMAHA EF2600FW	HONDA EG5000CX	DAISHIN SGB700H-Sa	KUBOTA D110S	KUBOTA D170S	KUBOTA D110S	KUBOTA D110S	KUBOTA D110S
Rated voltage	220V	220V	220V	220V	230V	220V	220V	220V	220V	220V	220V
Rated frequency	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ	50HZ
Rated ouput	2.0KVA	2.0KVA	2.0KVA	2.0KVA	4.0KVA	5.5KVA	8.4KVA	12.8KVA	8.4KVA	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	9.5KVA
Fuel	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	93#Gasoline	Diesel	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	2.3L/hr
Working hours	10hr	10hr	10hr	10hr	9.5hr	9hr	48hr	37hr	48hr	48hr	48hr
Fuel tank capacity	12L	12L	12L	12L	24L	25L	105L	105L	105L	105L	105L
Net weight	42kg	42kg	42kg	42kg	82.5kg	85kg	142kg	155kg	142kg	142kg	142kg
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	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	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°	< 10°
Anti-wind	≤6	≤6	≤6	≤6	≤6	≤8	≤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.

