

# TACTICAL LIGHTING SYSTEM

Precision

PEL's Tactical Lighting System is meant to cater requirements of Tactical Illumination for Military bases & Field HQs, Border Forces, Critical Infrastructures and Strategic Construction sites. The Lighting System can be powered either by Generator, inverter or commercial electric power. The system caters from 60° to 360° coverage.

Tripod based Pneumatic Mast is extended by air pressure from the Hand Air Pump. Option for Winch Mast also available.

The light fixtures can be controlled (i.e. ON-OFF, Dimmer) by an App on a Smart Phone or via the Junction Box/ PDU available at Tripod base.



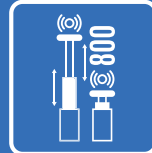
## OUR USP's



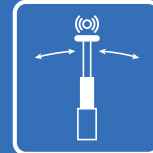
Designed and Qualified for MIL STD.



Suitable for On-the-Quick-Halt vehicular operations



Maintenance Free for 800 Lifts / 2 Years Operation



High stability and rigidity for Mission Critical Applications



Remote operation using mobile phone

## SALIENT FEATURES

- Quick & Simple Installation of Tripod mast light fixture
- The tripod has adjustable legs which help to erect the mast on uneven ground.
- The mast and tripod are made of lightweight aluminium alloy tubes, enables frequent erections and retractions without damage.
- Option for Remote switch ON and OFF from Mobile Phone
- Additional safety by using additional weights at high wind speed
- Surge protection for incoming Power supply
- Each light is connected to junction box with quick latch plug and can be replaced if required



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## MAST MECHANICAL PARAMETERS / SPECIFICATIONS

S.No.	Parameters	Specifications
1.	Type of Mast	Pneumatic – Tripod – Un-Guyed
2.	Extended height	Up to 5 Meters (Min.)
3.	Folded height	< 1.5 Meters
4.	Maximum spread –legs	2.0 Mtr
5.	Head Load capacity	40 Kgs (Max.)
6.	Wind Area of Payload	0.4 M <sup>2</sup>
7.	Operational – Wind Speed	60 Kmph
8.	Survival – Wind Speed	80 Kmph
9.	Pipe’s Material	Al. Alloy – 6063 T6
10.	Application	Tripod Mount – Un-guyed
11.	Installation	Ground Mount
12.	Type of Operation	Pneumatic – Hand Air Pump
13.	Weight of mast with Tripod	< 30 Kg
14.	Weight of Mast Accessories	< 10 Kg
15.	The weight of the complete lighting fixture	~35 kg (with junction box)
16.	Environmental specs	MIL-STD 810F / JSS55555
17.	Quantity of modules	Up to 6 modules
18.	Light power Consumption	167 W each (Total >1000W)
19.	a. Total light power in LUMAN at Level 0	>25000 lm (each Light module) Total 1,50,000 lm
20.	The lighting fixtures Power input	Voltage: 230VAC Freq 50 HZ
21.	The lighting module illumination	Up to 360 degrees
22.	Coverage Area	Up to 100 Mtrs (Subjected to Mast height and light selection)
23.	Sway	< 2°
24.	Operating Temperature	- 10°C to + 55°C
25.	Storage Temperature	- 20°C to + 70°C
26.	Humidity	95% @ 45 °C

**Note:**

Specifications are subject to change without prior notice

S.No.	Packing Details of Tactical Light system
1.	Tripod Mast with accessories
2.	Light fixture fitted with Junction Box
3.	Power distribution Box with Power cables
4.	Hard/ soft carrying case

