



Innovative Lighting Solutions

LED Inflatable Light

NAV-PEL-I400

NAV-PEL-I150

navitas[®]
LIGHTING

Specification:

Model	Product Dimension L x W x H (mm)	Height from ground	Net Weight	Power Source	Brightness	Run Time with EP 1000 Genset
NAV-PEL-I400	590X550X660	4.5M 15 feet	50kg	CPCB Approved Honda EP 1000	51,000 Lumens 400W	6.5 hrs
NAV-PEL-I150	405x360x420	2.8M 9 feet	17kg	External 230 V AC supply/ AC Genset	20,000 Lumens 150W	More than 8 hrs

Salient features:

- Illuminates area around 25000 sq.ft. at a high level of 5 lux at outer periphery. And 1lux at 55 meters radius covering 1,00,000 sq ft area.
- Cools and deflates easily in less than 5 min.
- Nation wide Service Station for Generator.
- The light is unbreakable even if the tower falls by any unavoidable accident.
- Removable C.P.C.B approved HONDA generator very easy to start.
- Stainless steel stabilizing rod which makes the light's installation and windup very easy.
- Additional sand bags are provided for extra support in case of very high winds more than 70km/hr.
- Special rain protection cover provided when light is being used in rains.
- SS trolley is also available for easy handling of system (Optional with extra cost).
- 60% more illumination. Instant full illumination.
- 50% Dimming Facility.

• **BIS Certified**

• **Patented**

Technical Specification:

• **CPCB Approved Generator**

Generator:

Honda EP1000 230 V, 50Hz power source.
Continuous use upto 12 hrs.

Electrical:

Power Supply 230 V, 50 Hz, 750 Watts

Blower Motors:

Power 120W x 2
Rotation 15,000 rpm
Life 900 Working hrs

Mechanical Structure:

Frame Stainless Steel Tube

Light Source:

LED 400 W
Life 50,000 Burning hrs
LED Make OSRAM
Drivers BIS Approved

Tower(Balloon):

Material Treated Nylon Fabric
Dimension Diameter 400mm
Height 4.25 meters

Area of Illumination:

Distance from light(feet)	10	20	30	40	50	60	70	80	90
Illuminance (Lux)	100	58	35	23	15	11	8	6	5



LED Balloon Light

NAV-PEL-B500

NAV-PEL-B900

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Salient features:

- Instant Start, Extremely portable
- All round 360° Illumination.
- Covers more than 15,000/28,000 sq.ft area with 10 lux at the boundary.
- Life of light more than 50,000 hrs.
- Can be powered by inverter or generator.
- 50% Dimming Facility available.
- Highly diffused light. Easy on humans eyes and safe to work around.
- Weather proof light.
- Portable stand with winch mechanism.
- Stand height 5 fts to 10 fts.
- Compact easy to move design makes setup easy.

Tripod Details:

- Min. & Max Height : 77 Inches - 120 inches
- Base Spread Dia : 60 Inches
- Centre Tube Dia : 1.5 Inches
- Folded Height : 58 Inches
- Weight : 7 kg

Area of Illumination:

Distance from light(feet)	5	10	15	20	25	30	35	40	50	60	70
Illuminance 500(Lux)	370	250	159	102	68	48	34.4	27	18	12.4	9.2
Illuminance 900(Lux)	550	350	225	146	96	70.5	52	39	25.4	17.4	13.1

Specification:

Model	Product Dimension L x W x H (mm)	Height from Ground	Net Weight	Power Source	Lumen Output
NAV-PEL-B500	330X330X650	Tripod 10ft.	12.75kg	Generator/Mains	58,500 Lux
NAV-PEL-B900	380X380X725	Tripod 10ft.	16.75kg	Generator/Mains	1,03,500 Lux

Portable Emergency LED Lighting Tower

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NAV-PEL-I480 (480 Watt)

NAV-PEL-IDD500 (360 Watt)



<i>Specifications</i>	<i>NAV-PEL-I480 (480 Watt)</i>	<i>NAV-PEL-IDD500 (360 Watt)</i>	<i>NAV-PEL-400 (400 Watt)</i>
Closed system dimension (mm) Height of telescope mast Weight without accessories & power source No. of wheels	500 x 485x 1250 +/- 10% 4000mm minimum <50kg 2nos	500 x 485 x 1270 +/- 10% 4000mm minimum <45kg 2nos	320 x 320 x 1070 +/- 10% 4000mm minimum <40kg 2nos
<i>Construction of tower</i>			
Material of main body structure Type of step up and step down of telescopic mast No. of section in tower Minimum Height of tower Adjustable legs	FRP Pneumatic 7 Section 4.3 meters	FRP Pneumatic 6 Section 4 meters	FRP / MS Pneumatic 6 Section 4.25 meters
LED Modules with adjustable angle Total maximum power of LED light Total Luminous flux LED luminaries ingress protection Colour temperature (+/- 500k) Operating modes LED Dimming LED Drivers .	6 Modules 80W each 480W +/- 5% >60000 lm IP 65 6000K 360° & 180° Flood mode Linear Dimming, Rotary type 2nos 240 W each BIS approved	6 Modules 60W each 360W +/- 5% >51000 lm IP 65 6000K 360° & 180° Flood mode Linear Dimming, Rotary type 2nos 200 W each BIS approved	6 Modules 67W each 400W +/- 5% >54000 lm IP 65 6000K 360° & 180° Flood mode Linear Dimming, Rotary type 2nos 200 W each BIS approved
<i>Generator Details</i>			
Rating Generator rated output (VA) Fuel tank capacity	Min 750 VA with CPCB Compliance 230 V/ 50 Hz 750 VA 3.6 Liters	Min 750 VA with CPCB Compliance 230 V/ 50 Hz 750 VA 3.6 Liters	Min 750 VA with CPCB Compliance 230 V/ 50 Hz 750 VA 3.6 Liters

Light Covers More than 60M Radius

<i>Light mode</i>	<i>480 W</i>		<i>360 W</i>	<i>400 W</i>
	<i>30 meters</i>	<i>60 meters</i>	<i>60 meters</i>	<i>60 meters</i>
180° Flood light mode 360° light mode	>60 lux >11 lux	>15.9 lux >2.4 lux	> 9 lux > 1.5 lux	> 10 lux > 2 lux

Model Options:

- 1) Wireless RF remote control operation.
- 2) Manual / Automatic pneumatic operation of tower.
- 3) Option of battery bank / AC Genset
- 4) Mobile application

Emergency Light with Battery Bank Suitcase type

Specifications

• Input Voltage	12V/24V
• Rated Power	2 x 72W LED Light, In total 144W
• Bulb Qty	3W LED X 48 Pieces
• Battery Type	12V 48AH OR 24V/24AH Lithium-Ion Battery
• Working Time	Strong 4.5 Hrs / Middle 9 Hrs / Low 20 Hrs
• Charging Time	6 to 8 Hrs
• Rated Luminous	3000 Lumens (Low) / 12000 Lumens (High)
• Waterproof Rating	IP65
• Colour Temperature	6000-7000 K
• Mass Height Extended	2 Meters
• Material	Telescopic 2 Rod - Aluminum Alloy Case - PP+20%GF OR FRP
• Weight	15 kg+-10%
• Accessories	AC Charger, Reflective Strip
• Features	• Linear Dimming OR High/Middle/Low/ Flash Mode Beam Spread 360 degrees • 90 degrees rotating head

Salient Features:

- Highly portable Light
- 2 Meter height Adjustable tower
- Inbuilt LiFePo4 Battery
- Inbuilt fast Charger
- Dimmable
- Minimum continuous working - 6 Hrs
- Customized solution available for
light wattage and battery capacity.



Portable Rechargeable Emergency Light

NAV-PEL-20

NAV-PEL-HB30

NAV-PEL-50

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Salient features:

- Handheld light for emergency purpose.
- LiFePO4 Long life Battery.
- 4 hrs running on full intensity.
- 4hr & 8 hr backup option available.
- Dimming from 10% to 100 %.
- With battery charger.
- Adjustable body fixture for aiming the light right where you need it.
- Robust built and weather proof.
- Available in 20 Watts, 30 Watts & 50 Watts. Customized range available.
- High lumens OSRAM LED with > 130 lm/Watt.
- High energy efficiency and long life.
- 2400/3600 lux of bright light.
- 6500 k colour temperature.



<i>Wattage</i>	<i>Backup</i>	<i>Lumin Output</i>	<i>Weight</i>
20 W	4hr/8hr	> 2400 lux	3.17 kg
30 W	4hr/8hr	> 3600 lux	3.17 kg
50 W	4hr	> 6000 lux	3.50 kg

Specification:

<i>Complete Light L x W x H (mm)</i>	<i>Battery Box L x W x H (mm)</i>	<i>Mounting Stand L x W x H (mm)</i>	<i>Flood Light L x W x H (mm)</i>
270x200x300	230x94x95	200x270x300	180x140x40

Application of Portable Emergency Lights:

- Disaster Recovery
- Anti Glare Lighting
- Industrial Emergency
- Security
- ART (Accident Relief Train)
- Safety and Fire Services
- Emergency Rescue
- Industrial Maintenance
- Emergency Rescue
- Road Works
- Highway Service Vehicle
- Transportation and Roadside Assistance
- Power Outages and Backup Lighting
- Transportation and Roadside Assistance
- Patrolling/ Searching Operation
- Arm Forces
- Fire Department (Staging, First aid)
- Armed Services (Army, Navy, Air Force, National Guard)

Navitas Lighting, a leading innovator in the Portable LED Lighting sector. We specialize in the design and manufacturing of portable emergency lighting solutions that meet the rigorous demands of industrial environments. Our products are engineered for durability, reliability, and energy efficiency, ensuring optimal performance when it matters most.

All products available on GEM portal.



Maintenance Free



Long lifespan



Instant Start



Eco-friendly

IS 10322



R-71014478



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