



*The most advanced technology
in mobile lighting*

**Glare Free, Daylight Quality
High Performance, 360°
Contrast - Definition - Clarity
Turns Night into Day
Infrared Option**



MOBILE VISIBLE AND INFRARED LIGHTING SECURITY – SURVEILLANCE – MILITARY - BORDER SECURITY



A range of mobile lighting solutions to illuminate areas from 250m² to 50,000m². Towed and non-towed products have been designed for maximum performance and simplicity with minimum logistics tail, rapid deployment, quick set up and small footprint.

12,000W HMI Glare Free Lunar Lighting® Tower
12 times the lumen output of conventional lighting towers
Consumes approx. 2.5L of fuel per hour

www.lunarlighting.com.au

Used by US Department of Homeland Security



**Infrared
Configuration**



**Permanent
Configuration**



Mobile Configuration

OVERVIEW

Glare Free, High Performance Lighting Systems Contrast - Definition - Clarity

Lunar Lighting's 12,000W HMI Lunar Lighting® Tower answers a range of critical military lighting requirements for mobile checkpoints, logistics depots, base and gates, airfield runways and ramps, hangars and warehouses, maintenance facilities, vehicle mobile mounts, forward operating bases and defensive perimeters, border fences and staging points. The lighting system is available on a trailer with internal generator or can be permanently mounted on poles. Lunar Lighting's systems are ideally suited for real-world challenges and require little maintenance or logistical support, making them ideal for rugged field operations or permanent base lighting needs.

HMI lighting is the movie industry's choice to meet its exacting requirements of contrast, definition and clarity. Lunar has harnessed the same significant benefits and 6000°K color temperature to bring glare free daylight quality to real-life scenarios, from identifying real-time contingencies to obtaining detailed images for transmission and analysis.

Light direction can be changed from 360° to 180° in minutes for controlled areas such as airports or where light is restricted to below a horizontal plane. A range of towed and non-towed products are available.

INFRARED CONFIGURATION

Lunar Lighting's unique systems support routine and non-traditional lighting requirements. The IR capability option lets you swap the same unit between visible and infrared light in a matter of minutes, without sophisticated training or tools.

Lunar lights are designed for multiple scenarios including:

- Command posts and field operations
- Forward operating bases
- Surveillance (add IR option for NVG and other night vision systems)
- Infrastructure
- Logistics support
- Construction and engineering
- Field hospitals
- Base camp or outposts
- Airfields, temporary runways, Pathfinder missions and helipads

Permanent configurations

This same technology can be adapted for permanently mounted lighting towers in support of military bases and support centers, including both outdoor and indoor use.



FEATURES

Versatile

- Backpack and non-towed products capable of illuminating from 250m² to 3000m²; quick-mount towed products illuminate up to 50,000m²
- Visible light source is standard; IR option on request – 2 capabilities in one piece of equipment. Change over in minutes

Save energy, time and space

- Energy efficient, quick set up, small footprint, high power-to-weight ratio
- One 12,000W Lunar Lighting Tower can replace several conventional units
- The 12,000W Lunar Lighting Tower provides at least 100 hours of continuous 50,000m² coverage at approx. 2.5L per hour fuel consumption
- Hot restrike capability, no downtime waiting for globes to cool, allowing operators to turn on or off the lights at the flick of a switch with no delay

Flexible: change between 360° and two 180° light directions in minutes

- 180° vertical upwards orientation for overhead work such as aircraft approach marking, or illuminating vertical structures such as buildings and bridges
- 180° vertical downwards orientation illuminates ground plane while minimizing disruption to air traffic and neighboring facilities

Mobile and maneuverable

- Designed to be easily carried, transported, towed

and stowed

- Easily adapted to vehicle mounts and compatible for mounting on other equipment
- The Lunar BakPak is carried on the shoulders, illuminates 250m², and weighs just 8kg
- 1200W, 2000W and 4000W products feature detachable light heads for accessing tight spaces

Tough and dependable

- Long-life globes
- Built to last for mobile and permanent installations

High performance HMI visible light source IR option available

- Daylight quality (6000°K color temperature) for night time activity with minimal vision fatigue
- Glare free 360° field means no dazzling from any angle

Movie makers choose HMI illumination because it meets their exacting standards of contrast, definition and clarity. Lunar Lighting has harnessed the same concept to satisfy the long-standing requirement for excellent situational awareness in military applications. Lunar's daylight quality illumination assists field personnel to identify and contrast terrain, recognize potential hazards and secure better photographs and recordings; analysts benefit from improved image/video evaluation and enhanced interpretation through minimal digital image artifacts.



PRODUCTS AT A GLANCE

	Approx. Light area (m ²)	Tow	Weight (kg)	Glare Free	Set up	Hot Restrike	IR Option*
12,000W HMI Lunar Lighting® Tower	50,000	Yes	1,900	Yes	5 minutes 1 person easy push button control	Yes	Yes
4000W HMI Lunar Light	10,000	No	100	Yes	5 minutes 1 person	Yes	Yes
2000W Halogen Lunar Light	2,000	No	20	Yes	5 minutes 1 person	Yes	Yes
1200W HMI Lunar Light	3,000	No	45	Yes	5 minutes 1 person	Yes	Yes
Lunar BakPak	250	No	8	Yes	5 minutes 1 person	Yes	No

* IR Option may entail additional space/transport requirements – contact Lunar Lighting for details.

PRODUCTS

12V Lunar BakPak

Personal portable lighting unit. Illuminates approx. 250m² – wherever you walk. Weighs only 8kg. The 12V Lunar BakPak is an ideal first response, lightweight personal mobile lighting system that allows personnel to keep both hands free to focus on their essential time critical work. The BakPak

creates glare free 360° daylight that travels with you over your shoulders. The compact 1kg, 4-hour battery recharges from car accessory points or main power. Spare batteries available.



HMI light sources are used in film/movie productions which impose stringent requirements of contrast, clarity and definition. These same characteristics assists personnel to identify unauthorized activity and potential hazards and allow improved photography and video recordings across a wide area. The infrared option allows superior night monitoring for sensitive applications such as border patrol, covert surveillance and perimeter security.

Infrared option available for:

1200W HMI and 2000W Halogen Lunar Lights

These lightweight units provide approx. 2000m² and 3000m² respectively of clean, glare-free light. Can be mounted onto fire trucks, equipment, machinery, or a tripod. Sets up in minutes.

2000W Halogen Lunar Light

NSN 6230-66-154-6218

Part Number 2KHLL Portable set

Units stow inside impact resistant road cases, can be easily handled by one person. Can be transported in a car with no towing required. Powered by a small generator or plugged into standard electrical main lines.

The 1200W HMI Lunar Light quality is similar to that used in film and movie productions. This feature improves photography, observation, and assessment of individuals and objects.

4000W HMI Lunar Light

HMI technology affords crisp, white "film set" daylight quality over full 360° (swap to 180° in minutes when required). The 380,000 lumen output is approx. four times that of conventional lighting towers. The 4000W unit can be used with the light head only to reach difficult areas where conventional towers are impractical. This

configuration can be transported in a car.

12,000W HMI Lunar Lighting® Tower

Produces 1.2 million lumens, approx. 12 times more than conventional lighting towers. Light is directed 360° (with an option to change over to 180° in minutes); coverage is approx. 50,000m².

Hot restrike capability, no need to wait for the globe to cool down before restriking.

Glare free daylight quality (6000°K color temperature). Light field is approx. 50,000m² and covers the same large area as several conventional towers, which reduces transport requirements and simplifies set up. Uses approx. 2.5L of fuel per hour, giving at least 100 hours continuous operation. The cabinet incorporates internal lighting to enable set up in darkness. Stable in winds up to 100km per hour. Telescopic mast height up to 10m.

Easily towed using a 4WD vehicle. Four individually controlled hydraulic stabilizer legs for stability on uneven terrain. Easily set up with push button controls. Reliable performance.

- Tie downs and lift points for airlift by aircraft or helicopter
- Optional infrared capability for surveillance, security and border protection
- Change over to visible light when required such as for emergencies, construction and maintenance

NSN 6230-66-154-6202

Part Number 12KWLLT Light Tower



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