

Hand Held High Intensity Lighting

The Cooke Corporation

Mega Light with Megaray

PORTABLE SPOTLIGHT

Features

- High intensity collimated light beam
- High and low beam intensity settings
- Continuously adjustable beam divergence
- Low frequency strobe
- Lightweight
- Portable
- Rugged design

Applications

- **Police, military and special forces**
 - Explosive ordinance recognition (EOR)
 - Unrest and crowd control
 - Covert operations
- **Search and rescue**
 - Mine, mountain and marine rescue operations
- **Security**
 - Intruder location
- **Maintenance**
 - Equipment and plant inspection
- **Nature conservation and recreation**
 - Game spotting and darting



See beyond 3000 feet with 5 million candle power!

Megaray is a compact, portable spotlight designed for a wide range of specialized applications where high intensity and long distance illumination are required. It is capable of illuminating objects up to and beyond 3000 feet.

A complete system consists of the **Megaray** portable spotlight, two types of IR filters and a power unit consisting of a long life battery pack and rapid charge system.

Megaray's shell structure is made from a highly impact resistant and durable moulded plastic, making this system lightweight and portable. A full O-ring sealing provides maximum protection to the electronic circuitry against water damage.

A 125 watt short arc Xenon lamp is used as the light source, while a specially designed lens system enhances the light beam. The design of the lens system allows the operator to continuously adjust the beam divergence between 2° and 6° .

Megaray features three different beam settings. The "low beam" setting provides lower level illumination to conserve battery power, while maximum performance is achieved at the "high beam" setting. The third setting creates a "strobe" effect at 8 Hz in the "high beam". The intensity and strobe settings are selectable via a three-way switch. The beam divergence and settings can be changed at any time during operation.

Megaray's unique electronic design features an integral switched mode power supply which allows the unit to be operated from any voltage input between 12 and 30 VDC without adjustment. **Megaray** can then be powered directly from light vehicles, trucks or aircraft. For ease of use, a heavy duty battery adapter cord is included as a standard accessory. The electronics are reverse polarity protected. A cooling fan and thermal cut-out mechanism protects the system from overheating. An adjustable shoulder strap and ergonomically designed "pistol grip" improves comfort of operation.

A 24 VDC 10 amp-hours sealed long life battery pack enhances **Megaray's** mobility and scope of applications. The battery pack comes in a durable canvas "back pack" type harness to ensure comfortable, "hands free" carrying. Low battery level is indicated by an LED situated on the side of the **Megaray** light unit. The rapid charge system can fully recharge the battery pack in under five hours.

The **Megaray** system features two different IR filters. The MIR 102 filter has been designed for a semi to normal covert role, while the MIR 103 filter is suited for highly covert operations.

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Specifications

Output Intensity	5,000,000 candela (peak intensity)
Lighting source and color	
Source:	125 Watt short arc Xenon lamp
Lamp Life:	min 1000 hr to 60% intensity
Color temp:	5600 Kelvin
Continuously adjustable beam divergence	
Spot mode:	2°
Flood mode:	6°
Power Supply	12 to 30 VDC, 190 Watt max.
Battery life (typically per charged cycle)	
Continuous high beam:	45 min.
Continuous low beam:	60 min.
Recharging time:	max. 5 hrs
Physical data	
<i>Weight</i>	Light unit: 7 ^{1/2} lbs (9.45 kg)
Long life battery pack and harness:	20 lbs (9.1 kg)
Dimensions	
Length (flood mode):	16 in (41 cm)
Length (spot mode):	20 in (50 cm)
Height:	12 in (30 cm)
Diameter (top of body):	4 in (10.4 cm)



Megaray Portable Spotlight Model MR-250

Includes:
Carrying bag
Battery adapter cable 10 ft (3m)

Accessories

Shoulder harness with long life battery pack
Rapid battery charge system
Clip on IR filters

C o o k e P a r t N u m b e r	N S N
M R 2 5 0	6 2 2 0 - 2 2 - 2 5 8 - 3 0 5 9
S h o u l d e r h a r n e s s w i t h L o n g l i f e b a t t e r y p a c k	6 2 1 0 - 0 1 - 4 6 6 - 7 5 9 5
R a p i d b a t t e r y c h a r g e r s y s t e m	6 2 1 0 - 0 1 - 4 6 6 - 7 5 9 0
I n f r a r e d F i l t e r M I R 1 0 2	6 2 1 0 - 0 1 - 4 6 6 - 7 5 8 2
I n f r a r e d F i l t e r M I R 1 0 3	6 2 1 0 - 0 1 - 4 6 6 - 7 5 8 3
S p a r e L a m p	6 2 4 0 - 0 1 - 4 6 6 - 7 5 8 8

**For additional information on the
Covert Operation Package or the
Policing Operation Package,
Contact the DSCP Lighting Team
1-800-DLA-BULB**