

# MR175 MK2

## ULTRA HIGH-INTENSITY SEARCHLIGHT

THE MR175 IS THE WORLD'S LEADING ULTRA HIGH-INTENSITY SEARCHLIGHT. IT OPERATES IN BOTH VISIBLE AND IR MODES MAKING IT IDEAL FOR AN ARRAY OF TACTICAL APPLICATIONS. DESIGNED TO ENDURE THE MOST DEMANDING OF CONDITIONS, THIS HIGHLY ADVANCED AND VERSATILE HAND-HELD SEARCHLIGHT WILL PROVIDE UNRIVALLED ILLUMINATION OF A TARGET AT LONG RANGE.

### TYPICAL APPLICATIONS

Uniform target illumination in either visible or IR for:

- Surveillance
- Counter terrorism
- Crowd control
- Sniper suppression
- Reconnaissance
- Illumination from a safe distance for front line operations

### FEATURES

- Range: 3km / 1.88 mile illumination
- Can be handheld with the battery pack carried on the operator's back
- Light weight and user-friendly
- Adjustable beam spread
- Fitted to a tripod or hand operated from the vehicle battery
- Picatinny rail for multiple add-ons
- Collimated light beam with uniform field of illumination
- Operates from 18Vdc - 32 Vdc
- Reverse polarity protection
- Strobe (8hz)
- Over-temperature protection
- Rechargeable lithium polymer battery

### MEGARAY BEAM SPREAD

|                    | 2° Spot          | 6° Flood         |
|--------------------|------------------|------------------|
| 3000 m<br>3282 yds | 105 m<br>115 yds | 515 m<br>345 yds |
| 2000 m<br>2188 yds | 70 m<br>77 yds   | 210 m<br>228 yds |
| 1000 m<br>1094 yds | 35 m<br>38 yds   | 105 m<br>109 yds |
| 500 m<br>547 yds   | 17 m<br>19 yds   | 50 m<br>55 yds   |
| 200 m<br>219 yds   | 7 m<br>8 yds     | 21 m<br>22 yds   |
| 100 m              | 3.5 m            | 10 m             |



THE WORLD'S BEST ULTRA HIGH-INTENSITY SEARCHLIGHT

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## STANDARD SYSTEM CONSISTS OF

- 1 MR175 unit with Picatinny rail
- 2 Shoulder strap
- 3 Soft carry case
- 4 Operator and Organizational Maintenance Manual
- 5 Battery charger
- 6a Rechargeable standard lithium polymer battery & vest



## OPTIONAL EXTRAS

- 1 Covert IR filter (930nm)
- 2 Semi covert IR filter (850nm)
- 3 Clear spreading lens (74°)
- 4 External power cable with alligator clip ends
- 5 Peli case with custom insert



## TECHNICAL SPECIFICATIONS

|   |   |         |
|---|---|---------|
| Light Intensity   |   |         |
| 4375 Lumens   |   |         |
| Xenon Lamp Manufacturers Rating 25 Lumens/ Watt (Average) |   |         |
| Light Source and Colour                                   |   |         |
| Source  | 175W short arc xenon bulb               |         |
| Colour Temperature  | 5600 Kelvin                             |         |
| Beam Divergence   |   |         |
| Spot Mode   | 2°                                      |         |
| Flood Mode  | 6°                                      |         |
| Power Supply  |   |         |
| Input Voltage Range                                       | 18 - 32VDC, 230W (input maximum)        |         |
| Battery   |   |         |
| Battery Type  | Std (Lipo) 16 AH, Compact (LifePo4) 8AH |         |
| Operating Temperature:                                    |   |         |
| Charging  | 0°C to +45°C / +32°F to +113°F          |         |
| Discharging   | - 20°C to +60°C / -68°F to +140°F       |         |
| Storage (longer than 2 weeks)                             | - 20°C to +45°C / -68°F to +113°F       |         |
| Battery Life (per cycle) at 23°C / 73°F                   | Std                                     | Compact |
| Continuous Mode   | 100 min                                 | 35 min  |
| Strobe Beam   | 210 min                                 | 75 min  |
| Recharge Time   | 5 hours                                 | 4 hours |
| Weight  |   |         |
| Light Unit  | 8.6 lbs / 3.9 kg                        |         |
| Battery and Vest  | 7.7 lbs / 3.5 kg                        |         |
| Compact Battery and Belt                                  | 4.4 lbs / 2.0 kg                        |         |
| Dimensions: Light Unit                                    |   |         |
| Length (flood mode)                                       | 16.1 in / 410 mm                        |         |
| Length (spot mode)  | 19.7 in / 500 mm                        |         |
| Height  | 11.8 in / 300 mm                        |         |
| Diameter (top body)                                       | 4.1 in / 104 mm                         |         |
| Battery Charger   |   |         |
| Input Voltage   | 100 – 240VAC 50 – 60Hz                  |         |
| Output Current  | 25.5VDC at 4A                           |         |

## SOME ADD ON'S

Night vision device



Laser aiming device



\* As part of our policy of continuous product improvement we reserve the right to change specifications without prior notice. Not to be used as a legal document



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