

# MidBeam 2.0



MAKES IT BRIGHT

## THE PERFECT TOOL! AN EXTREMELY ROBUST, LIGHTWEIGHT AND COMPACT UV INSPECTION LIGHT

MidBeam 2.0 is an extremely robust hand held lamp especially designed for use by heavy industries with very difficult operating environments. The light is compact in size, with four LEDs in a housing diameter of just 3.15 inches (8 cm)!

### Unique Features of MidBeam 2.0:

- ✓ **IP68 Waterproof classification:** Solids and liquids that often find their way into a light causing UV LEDs to burn cannot penetrate a MidBeam 2.0 unit.
- ✓ **Battery indicator:** Four colors, green, yellow, orange and red signal the user when the batteries are over 75%, 50-75%, 25-50% and below 25% charged respectively. With less than 10% left the red signal starts flashing.
- ✓ **Operates while charging batteries:** The battery version can operate like mains while charging the batteries via a connector at the back of the head.

Each light consists of 4 LEDs offering an extremely even beam. The switch located at the back of the head provides instant power. It is easy for the battery version to switch batteries. The location of the batteries (inside pistol handle) makes the ergonomics of the unit stable. Four batteries are provided and two are needed to operate. The design of the mains version makes it easy to support the light with a common stand on a bench. MidBeam 2.0 Standard and Aerospace is classified as a Risk Group 3 (High Risk) in accordance with IEC / SS-EN 62471.

The MidBeam 2.0 is available in three different versions, as Standard, Aerospace and Aerospace RRES 90061.

**Standard Version:** The MidBeam 2.0 Standard generates an intensity in excess of  $> 4\ 500\ \mu\text{W}/\text{cm}^2$  (at 15 inches) and is equipped with a white light LED for after inspection. Battery life is 1.5 hours.

**Aerospace Version:** The MidBeam 2.0 Aerospace differs from the Standard version as follows:

- The Aerospace version does not have a white light LED for after inspection.
- The intensity of the Aerospace version is adjusted to never exceed  $4\ 500\ \mu\text{W}/\text{cm}^2$  at 15 inches.
- The battery life of the Aerospace version is in excess of three hours.

**Aerospace RRES 90061 Version:** The MidBeam 2.0 Aerospace RRES 90061 generates an intensity of approximately  $2\ 600\ \mu\text{W}/\text{cm}^2$  (at 15 inches). While the remaining characteristics are the same as with MidBeam 2.0 Aerospace above, the optics of this unit is specifically designed to meet the Rolls Royce engineering specification RRES 90061. The beam profile is very crucial for the Aerospace industry. This UV light is specially developed to offer a beam that is extremely homogenous – without any footprints showing from the LEDs, shades, dark spots or other disturbing defects in the beam.



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| Differences between MidBeam 2.0 and MidBeam 1.0:                                  | MidBeam 2.0 | MidBeam 1.0   |
|---|-------------|---------------|
| IP Class  | IP 68       | IP 43         |
| On-Off Switch   | On the Head | On the Handle |
| Battery Indicator   | Yes         | No            |
| Operate while charging batteries  | Yes         | No            |
| Camera mount on battery version   | Yes         | No            |
| Squared pin hole to mount on stand  | Yes         | No (round)    |
| Cable for mains equipped with connectors for easy replacement and flexible length | Yes         | No            |
| Clear glass protection filter   | Yes         | No            |

## TECHNICAL SPECIFICATIONS

### Light Source and Light Output

- ✓ 4 UV LEDs peaking at 365 nm, 1 White Light LED (Optional)
- ✓ Intensity Standard Version: > 4 500  $\mu\text{W}/\text{cm}^2$  at 38 cm (15")
- ✓ Intensity Aerospace Version: < 4 500  $\mu\text{W}/\text{cm}^2$  at 38 cm (15")
- ✓ Intensity Aerospace RRES 90061  $\approx$  2 600  $\mu\text{W}/\text{cm}^2$  at 38 cm (15")
- ✓ White light output from UV source:  $\approx$ 1 Lux<sup>1</sup> / 0.09 Foot Candle (380-780 nm)
- ✓ No UVB

### Battery (Supplied with four batteries)

- ✓ 2200 mAh Lithium-Ion, 3.7 V
- ✓ Running time Standard: Approximately 1.5 hours
- ✓ Running time Aerospace: Approximately 3 hours
- ✓ Running time Aerospace RRES 90061: Approximately 3 hours
- ✓ Charging time: Approximately 8 hours
- ✓ Requires two batteries to operate – Supplied with two extra
- ✓ Equipped with a current regulator to keep the intensity stable when the battery fades

### Charger (Supplied with three chargers)

- ✓ 100-240 VAC charger for use from an electrical outlet. Two batteries can be charged simultaneously
- ✓ 12 V charger for use in a vehicle
- ✓ Power Supply for charging while operating:
  - 100-240 VAC
  - 50-60 Hz
  - Out: 12V DC 3A/40W

### Power Supply for Mains

- ✓ 100-240 VAC
- ✓ 50-60 Hz
- ✓ Out: 12V DC 3A/40W
- ✓ Cable length of your choice. Standard cable is 2.5 m (3.3 feet).

### Additional Information

- ✓ Weight battery version:: without battery: 688 gr (8.27 oz); with battery: 781 gr (11.55oz)
- ✓ Weight mains version: 702 gr (8.76 oz)
- ✓ Housing diameter: 80 mm (3.15")
- ✓ Instant-on operation with full intensity reached immediately
- ✓ Material in housing: anodized aluminium
- ✓ Material in handle: PA6, 30
- ✓ Mechanical cooling system

### Certification

- ✓ CE Marked
- ✓ IP68 classified
- ✓ Complies with ASTM E3022-2015
- ✓ Aerospace RRES 90061 version complies with Rolls Royce engineering specification RRES 90061

**TECHNICAL SPECIFICATIONS**