

MidBeam 2.0



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

MAKES IT BRIGHT

COMPLIANT WITH E3022-15 AND RRES 90061

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.
- ✓ **Aerosol Spray Accessory Athena:** An innovative accessory that is mounted on MidBeam 2.0 and allows the NDT Inspector to operate the aerosol can simultaneously with a strong UV light that is compliant with ASTM E3022 and RRES 90061.

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. Four batteries are provided and two are needed to operate. The location of the batteries (inside pistol handle) makes the ergonomics of the unit stable. The battery version has a camera mount and can mount on a tripod that can be supplied by Labino. The mains version has a squared pin hole that can mount on a flexible arm that can also be supplied by Labino. Choose your customized cable length on a mains unit. MidBeam 2.0 Zeus and Hermes is classified as a Risk Group 3 (High Risk) in accordance with IEC / SS-EN 62471.

This unique UV light makes use of specialized filters that do not suffer from solarization. This means that the intensity level does not deteriorate over time and users do not need to replace filters.

The MidBeam 2.0 is available in two different models, as MidBeam 2.0 Zeus and MidBeam 2.0 Hermes.

MIDBEAM 2.0 ZEUS: The MidBeam 2.0 Zeus generates an intensity of approximately 5 000 $\mu\text{W}/\text{cm}^2$ (at 15 inches) and is equipped with a white light LED for after inspection.

MIDBEAM 2.0 HERMES: The MidBeam 2.0 Hermes differs from the Zeus version as follows:

- The Hermes version does not have a white light LED for after inspection.
- The intensity of the Hermes version is approximately 4 000 $\mu\text{W}/\text{cm}^2$ at 15 inches.
- 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.



COMPLIES WITH
ASTM E3022-2015
Standard

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ASTM E3022-2015
Standard

COMPLIES WITH
Rolls-Royce RRES 90061
Specification

All Labino units come with a certificate of compliance for ASTM E3022-15 / RRES 90061 as applicable.

MidBeam 2.0 WITH AEROSOL SPRAY ACCESSORY ATHENA



MidBeam 2.0 Hermes with Athena

COMPLIES WITH
ASTM E3022-2015
Standard

COMPLIES WITH
Rolls-Royce RRES 90061
Specification



MAKES IT BRIGHT

MidBeam 2.0 Zeus with Athena

COMPLIES WITH
ASTM E3022-2015
Standard

TECHNICAL SPECIFICATIONS

LIGHT SOURCE AND LIGHT OUTPUT

- ✓ 4 UV LEDs peaking at 365 nm, 1 White Light LED (Optional)
- ✓ Intensity Zeus Version: $\approx 5\,000\ \mu\text{W}/\text{cm}^2$ at 38 cm (15")
- ✓ Intensity Hermes Version: $\approx 4\,000\ \mu\text{W}/\text{cm}^2$ at 38 cm (15")
- ✓ White light output from UV source: $\approx 1\ \text{Lux}^1 / 0.09\ \text{Foot Candle}$ (380-780 nm)
- ✓ No UVB

BATTERY (Supplied with four batteries)

- ✓ 3400 mAh Lithium-Ion, 3.6 V
- ✓ Running time: Approximately 2.15 hours
- ✓ Charging time: Approximately 4 hours
- ✓ Requires two batteries to operate – Supplied with 2 extras
- ✓ 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: 702gr (8.76 oz)
- ✓ Housing diameter: 80 mm (3.15")
- ✓ Instant-on operation with full intensity reached immediately
- ✓ Housing Material: anodized aluminium
- ✓ Mechanical cooling system

CERTIFICATIONS

- ✓ IP68 Waterproof
- ✓ CE Marked



TECHNICAL SPECIFICATIONS

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