



# MB Zeus and MB Hermes MB Iris and MB Poseidon



Certified with an ingress protection marking of IP68 Waterproof, this light and compact lamp has been designed for heavy industries with a very difficult operating environment.



**FOUR UV LEDs WITH WHITE LIGHT BLOCK FILTERS**

Four high quality UV LEDs with respective high quality white light block filters that do not suffer from solarization.



**ON/OFF SWITCH**

On/Off switch at the back prevents accidental activation.



**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.



**OPERATE THE LAMP AS MAINS WHILE CHARGING BATTERIES**

The battery version can operate like mains while charging the batteries via a connector at the back of the head.



**MB MAINS ON A FLEXIBLE ARM**

The mains version can be mounted on a flexible arm. The flexible arm can be supplied by Labino.



**BATTERY OR MAINS POWERED**

Powered with your choice of either two rechargeable batteries for ease of use in field inspections and tight work spaces or via Mains. The cable length is customizable. The mains version has a squared pin hole that can mount on a flexible arm.



**MB Series products Zeus, Hermes and Iris** are lights with UV output. They are compact and weigh less than many comparable products but are extremely robust in nature, designed for heavy industries with very difficult operating environments. The mains operated model weighs just 732 grams (1.6 lbs) and the battery operated model weighs just 781 grams (1.7 lbs). The Iris weigh 568 grams (1.3 lbs). MB Poseidon is a light with blue output.

The MB Series family of products has been specifically designed to meet the ASTM E3022-15 and ISO 3059-12 standards as well requirements set by the PRIMES. The optics used in the MB Series meet the Rolls-Royce RRES 90061 specification. The beam profile of the UV light is extremely homogenous without any footprints showing from the LEDs, shades, dark spots or other disturbing defects.

**MB Zeus**

MB Zeus has been tested to comply with both ASTM E3022-15 and ISO 3059-12 standards as well as the Airbus AITM6-1001. It generates an intensity of approximately 4 000 µw/cm<sup>2</sup> at 38 cm (15 inches) and is equipped with a white light LED for after inspection. The running time of the battery version is 2 hours.

**FACTS ABOUT MB ZEUS**

Output Characteristics	MB Zeus
Intensity	≈ 4 000 µw/cm <sup>2</sup>
Visible light	<1 Lux / 0.09 fc
Beam > 1 200 µw/cm <sup>2</sup>	Ø 200 mm (7.9 ")

At a distance of 38 cm (15 inches)

**MB Hermes**

MB Hermes has been tested to comply with both ASTM E3022-15 and ISO 3059-12 standards as well as with the internal requirements of all PRIMES mentioned on page 7 including Rolls-Royce RRES 90061 and Airbus AITM6-1001. It generates an intensity of approximately 4 000 µw/cm<sup>2</sup> at 38 cm (15 inches) and it does not have a white light LED. The running time of the battery version is 3 hours.

**FACTS ABOUT MB HERMES**

Output Characteristics	MB Hermes
Intensity	≈ 4 000 µw/cm <sup>2</sup>
Visible light	<1 Lux / 0.09 fc
Beam > 1 200 µw/cm <sup>2</sup>	Ø 200 mm (7.9 ")

At a distance of 38 cm (15 inches)



**MB BATTERY MODELS WITH SPRAY CAN HOLDER ATHENA**

An innovative accessory that can be mounted on any Zeus or Hermes battery model and allows the NDT Inspector to operate the spray can simultaneously with a strong UV light that is in compliance with ASTM E3022 and the PRIMES requirements listed on page 7.



**MB IRIS FITS EVERYWHERE**

Iris does not have a handle and therefore can be easily mounted on camera equipment designed to fit in tight spaces. It is particularly in use by aerospace companies as it is in compliance with ASTM E3022 and the PRIMES requirements listed on page 7.



**BATTERY VERSION PACKAGE INCLUDES:**

Lamp, Car Charger, Four Batteries, UV Block Goggles, External Charger for wall outlet, Carrying Case, Power supply for charging batteries while operating.



**MAINS VERSION PACKAGE INCLUDES:**

Lamp with 2.5 meter (8 feet) cord, Power Supply Unit 100-240V AC, AC power cord, UV Block Goggles, Carrying Case. The cord can be customized to the length of your choice.



**MB Iris**

MB Iris is an extremely compact light. It is used together with automated systems that incorporate cameras to inspect hard to reach areas such as pipes interior. Iris has been tested to comply with both ASTM E3022-15 and ISO 3059-12 standards as well as with the internal requirements of all PRIMES mentioned on page 7, including Rolls-Royce RRES 90061 and Airbus AITM6-1001. It generates an intensity of approximately 4 000  $\mu\text{w}/\text{cm}^2$  at 38 cm (15 inches). Iris comes only as mains and it is supplied with a mounting bracket.

**FACTS ABOUT MB IRIS**

<b>Output</b>	<b>MB Iris</b>
<b>Characteristics</b>	$\approx 4\ 000\ \mu\text{w}/\text{cm}^2$
<b>Intensity</b>	$< 1\ \text{Lux} / 0.09\ \text{fc}$
<b>Visible light</b>	$\varnothing\ 200\ \text{mm}\ (7.9\ \text{''})$
<b>Beam</b>	$> 1\ 200\ \mu\text{w}/\text{cm}^2$

At a distance of 38 cm (15 inches)









**MB Poseidon**

MB Poseidon is an actinic blue light LED lamp offering a peak wavelength of 440 nm +/- 5 nm. Blue light method is suitable for detection of defects where ambient light is present. To ensure adequate contrast, inspection shall be carried out with the yellow contrast goggles supplied. MB Poseidon is designed in to be in compliance with SIS-CEN/TR 16638:2014.

**TECHNICAL DATA**

	<b>MB Zeus, MB Hermes and MB Iris</b>
<b>UV LED:</b>	4
<b>Wavelength:</b>	365 nm (peak) +/- 5 nm
<b>Estimated LED life time:</b>	30 000 hours
<b>UV-B:</b>	100% free from UV-B
<b>Filter:</b>	White light block filter
<b>Power supply:</b>	Battery and Mains
<b>Weight Battery:</b>	781 grams (1.7 lbs)
<b>Weight Mains:</b>	732 grams (1.6 lbs)
<b>Weight MB Iris:</b>	568 grams (1.3 lbs)
<b>MB Zeus Battery running time:</b>	2.5 hours (+/- 5%)
<b>MB Hermes Battery running time:</b>	2.5 hours (+/- 5%)

Accessories for MB Series

<b>MB Zeus, Hermes, Iris and Poseidon</b>	
<b>UV Block Visor</b>	
<b>UV Block Goggles XC</b>	
<b>Flexible Arm</b>	
<b>Friction Arm</b>	
<b>Rubber Bumper</b>	
<b>Protection PSU Bracket</b>	
<b>Magnet for PSU</b>	
<b>Customized Carrying Case</b>	
<b>Thumb Screws for Battery Lid</b>	