

# UVG5 2.0

COMPLIES WITH  
ASTM E3022-2018  
Standard

COMPLIES WITH  
Rolls-Royce RRES 90061  
Specification

COMPLIES WITH  
Airbus AITM6-1001  
Testing Method

COMPLIES WITH  
USAF  
Requirements

## 2 Year warranty

Extremely durable! Compact, powerful and adjustable headlight that frees your hands during inspections. White light is optional. The beam profile is probably the largest and smoothest from any UV-A headlight on the market today. Depending on the model, the beam diameter is 3-5 inches / 8-12 cm and with intensities that vary from  $\approx 4\,000$  to  $80\,000\ \mu\text{W}/\text{cm}^2$ ! Selected models have been tested to comply with ASTM E3022-18, Rolls-Royce RRES 90061 and Airbus AITM6-1001. Battery running times are up to 14 hours.



### ADJUSTABLE LIGHT

The lamp can be adjusted to three different angles.



### BATTERY POWERED

Powered by two lithium batteries that can be recharged either by a cigarette outlet in a vehicle, a wall outlet or a PSU charger (without removing the batteries).



### ONE UV LED WITH WHITE LIGHT BLOCK FILTER AND OPTIONAL FOUR WHITE LIGHT LEDs

A high quality UV LED with respective high quality white light block filter that does not suffer from solarization. Two different white lights: (a) a strong "search" white light for use in dark and tight spaces such as pipes and tanks and (b) a visual inspection white light.



### ON/OFF SWITCH

On/Off switch is positioned at the back to prevent accidental activation.

## FACTS ABOUT UVG5 2.0

Part Number	Model	White Light	UV Intensity / Beam Size
L127	UVG5 2.0 Spotlight	YES	80 000 $\mu\text{W}/\text{cm}^2$ / $\varnothing$ 3 inches / 7.6 cm
L128	UVG5 2.0 Midlight	YES	9 000 $\mu\text{W}/\text{cm}^2$ / $\varnothing$ 3.8 inches / 9.5 cm
L129	UVG5 2.0 Midlight	NO	9 000 $\mu\text{W}/\text{cm}^2$ / $\varnothing$ 3.8 inches / 9.5 cm
L130	UVG5 2.0 Floodlight	YES	4 000 $\mu\text{W}/\text{cm}^2$ / $\varnothing$ 4.8 inches / 12 cm
L131	UVG5 2.0 Floodlight	NO	4 000 $\mu\text{W}/\text{cm}^2$ / $\varnothing$ 4.8 inches / 12 cm

## UVG5 2.0

UVG5 2.0 Spotlight, Midlight and Floodlight have been tested to comply with both ASTM E3022-18 and ISO 3059-12 standards. The UVG5 2.0 Floodlight also complies with Rolls-Royce RRES 90061 and Airbus AIM6-1001. The Spotlight, Midlight and Floodlight generate intensities of approximately 80 000  $\mu\text{W}/\text{cm}^2$ , 9 000  $\mu\text{W}/\text{cm}^2$  and 4 000  $\mu\text{W}/\text{cm}^2$  at 38 cm (15 inches), respectively. The battery running time is approximately 8 hours for the Spotlight

and Floodlight and 14 hours for the Midlight. Charging time is 3 hours. Three models (Spotlight - L127, Midlight - L128 and Floodlight - L130) come with white light. There are two different white lights you can operate the UVG5 2.0 with, (a) a strong "search" white light for use in dark and tight spaces such as pipes and tanks and (b) a visual inspection white light. NDT Technicians at US Airforce should ask for Part Number UVG5 2.0 Midlight (PN: L129).



NDI Technician of the 108th Maintenance Squadron, analyzes a part of the KC-135R Stratotanker aircraft at Joint Base McGuire-Dix-Lakehurst, N.J., using a Labino UVG5 headlight.

## MB 3.0 Zeus

(Mains model PN: L119, Battery model PN: L118)

## MB 3.0 Hermes

(Mains model PN: L121, Battery model PN: L120)

## MB 3.0 Selene (Mains model PN: L139, Battery model PN: L138)

## MB 3.0 Atlas (Mains model PN: L125, Battery model PN: L124)

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**2 Year warranty**

This compact light is simply Genius! A combination of smart mechanics and efficient electronics, designed to survive extreme temperatures and harsh working conditions, 24 x 7. Penetrant resistant, with acoustic battery indicator and certified with an ingress protection marking of IP68. Depending on the model, the beam diameter is 8-9 inches / 20-22 cm and with intensities that vary from  $\approx 4\,500$  to  $9\,000\ \mu\text{W}/\text{cm}^2$ . Zeus and Selene are equipped with a strong white light as well.



### OPTIONAL SPRAY CAN HOLDER ACCESSORY "ATHENA"

Athena mounts on the light and can fit ALL aerosol brands that are used in NDT. Buy it factory installed or add it later (PN: A503).



### OPTIONAL MEASUREMENT ACCESSORY "OLYMPUS"

Your daily NADCAP and/or ASTM E3022-18 checks can be carried out accurately with an Olympus stand (PN: A542) and an Apollo 2.0 dual meter (PN: M505).



### AC (MAINS) POWERED MODELS

come with 8 ft (2.5 meter) cables, but length can be customized. Add a Flexible arm accessory (PN: A538) near your mag bench for convenience.



### BATTERY POWERED MODELS

Powered by two Li-ion batteries that can be recharged either by a cigarette outlet in a vehicle, a wall outlet or a PSU charger (without removing the batteries) – 2 hours charging time.



### ACOUSTIC BATTERY INDICATOR

gives NDT technicians warning sounds indicating the remaining battery run time of the light.



### BATTERY VERSION PACKAGE INCLUDES:

Lamp, Car Charger, Four Batteries, UV Block Goggles, External Charger for wall outlet, Carrying Case, Belt holster, 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 3.0 Series products Zeus, Hermes, Selene and Atlas** are lights with UV-A 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 AC (mains) operated model weighs just 650 grams (1.4 lbs) and the battery operated model weighs just 680 grams (1.5 lbs).

The MB 3.0 Series has been specifically designed to meet the ASTM E3022-18 and ISO 3059-12 standards as well requirements set by the PRIMES. The optics used in the MB 3.0 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 3.0 Zeus

(Mains model PN: L119, Battery model PN: L118)

### MB 3.0 Hermes

(Mains model PN: L121, Battery model PN: L120)

MB 3.0 Zeus and MB 3.0 Hermes have been tested to comply with both ASTM E3022-18 and ISO 3059-12 standards as well as with the internal requirements of all PRIMES listed on page 8, including Rolls-Royce RRES 90061 and Airbus AITM6-1001. MB 3.0 Hermes is also in compliance with USAF. These UV lights generate an intensity of approximately 4 500  $\mu\text{W}/\text{cm}^2$  at 38 cm (15 inches) and the battery version has a running time of 3.5 hours.

**Difference between Zeus and Hermes:** Zeus is equipped with a strong white light LED that generates 1 076 lux (100 fc) for after inspection. Hermes does not have a white light LED for organizations that do not allow use of white light.

The battery versions of MB 3.0 Zeus and MB 3.0 Hermes have a useful accessory, the Athena spray can holder, which works with all aerosol brands. Get it factory installed or add one later (PN: A503).

MB 3.0 Zeus (battery) with Athena, PN: L122.

MB 3.0 Hermes (battery) with Athena, PN: L123.



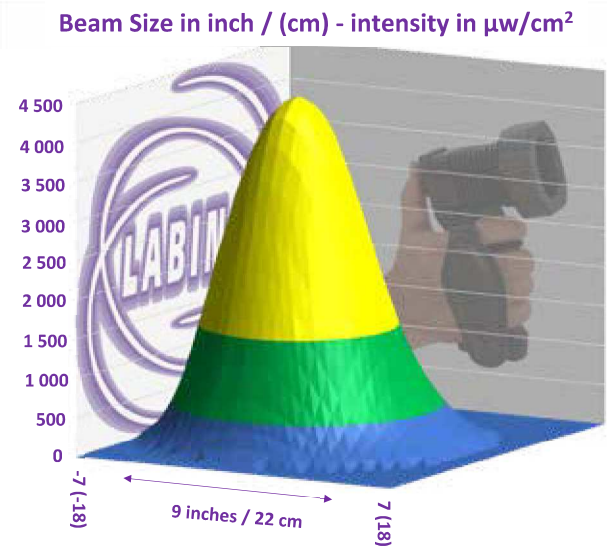


FACTS ABOUT MB 3.0 ZEUS, MB 3.0 HERMES

Output Characteristics	MB 3.0 Zeus MB 3.0 Hermes
Intensity	≈ 4 500 μW/cm²
Visible light	< 2 lux / 0.2 fc
Beam > 1 000 μW/cm²	Ø 9 inches / 22 cm

At a distance of 38 cm (15 inches)

Beam profile > 1 000 μW/cm² measured at 15 inches / 38 cm of Zeus and Hermes:

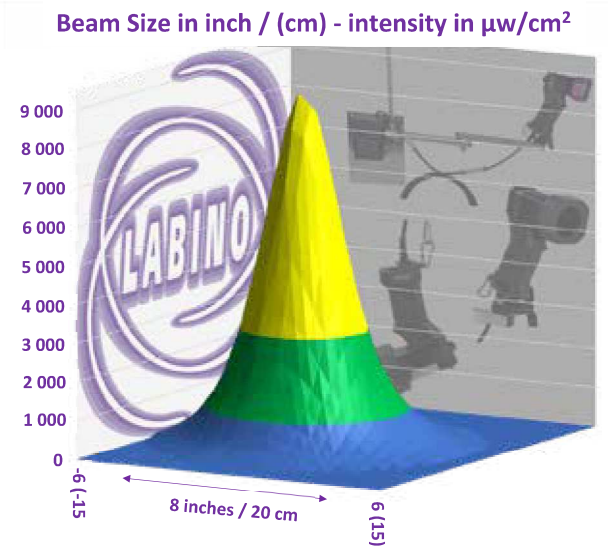


FACTS ABOUT MB 3.0 SELENE, MB 3.0 ATLAS

Output Characteristics	MB 3.0 Selene MB 3.0 Atlas
Intensity	≈ 9 000 μW/cm²
Visible light	< 4 lux / 0.4 fc
Beam > 1 000 μW/cm²	Ø 8 inches / 20 cm

At a distance of 38 cm (15 inches)

Beam profile > 1 000 μW/cm² measured at 15 inches / 38 cm of Selene and Atlas:



NDI Technicians of the 100th Maintenance Squadron perform a magnetic particle inspection on sample parts, at RAF Mildenhall, England, using Labino MB 2.0 Series UV lights.



**MB 3.0 Selene**  
(Mains model PN: L139, Battery model PN: L138)  
**MB 3.0 Atlas**  
(Mains model PN: L125, Battery model PN: L124)

MB 3.0 Selene and MB 3.0 Atlas have been tested to comply with ASTM E3022-18 and ISO 3059-12 standards. Both models comply with Airbus AITM6-1001 at a working distance of 21 inches (53 cm). MB 3.0 Atlas complies with the internal requirements of US Airforce as well. These UV lights generate an intensity of approximately 9 000  $\mu\text{W}/\text{cm}^2$  at 38 cm (15 inches) and the battery version has a running time of 2.5 hours.

**Difference between Selene and Atlas:** Selene is equipped with a strong white light LED that generates 1 076 lux (100 fr) for after inspection. Atlas does not have a white light LED for organizations that do not allow use of white light.

The battery versions of MB 3.0 Selene and MB 3.0 Atlas has a useful accessory, the Athena spray can holder, which works with all aerosol brands. Get it factory installed or add one later (PN: A503).

MB 3.0 Selene (battery) with Athena, PN: L140.

MB 3.0 Atlas (battery) with Athena, PN: L126.

#### TECHNICAL DATA

	<b>MB 3.0 Zeus, MB 3.0 Hermes, MB 3.0 Selene and MB 3.0 Atlas</b>
UV LED:	4 (MB 3.0 Zeus, MB 3.0 Hermes) 3 (MB 3.0 Selene, MB 3.0 Atlas)
Wavelength:	365 nm (peak) +/- 5 nm
Estimated LED life time:	30 000 hours
UV-B:	100% free from UV-B
Filter:	White light block filter
Power supply:	Battery and Mains
Weight Battery:	680 grams (1.5 lbs)
Weight Mains:	650 grams (1.4 lbs)
Zeus/Hermes Battery running time:	3.5 hours (+/- 5%)
Selene/Atlas Battery running time:	2.5 hours (+/- 5%)

## Accessories for MB 3.0 Series

**MB 3.0 Zeus, MB 3.0 Hermes,  
MB 3.0 Selene, MB 3.0 Atlas**

UV Block Visor  
(PN: S400)



UV Block Goggles "XC"  
(PN: S505)



Flexible Arm for MB 2.0 Series  
(PN: A538 for Mains units)  
(PN: A541 for Battery units)



Friction Arm  
(PN: A530)



Rubber Bumper  
(PN: F106)



Protection PSU Bracket  
(PN: F211)



Magnet for PSU  
(A601)



Customized Carrying Case  
(PN: C1002)  
(PN: C1003 w / Athena)



Thumb Screws for Battery Lid  
(F105)

