

Labino MB Hercules EX

Explosion Proof UV LED Inspection Lights



AFFORDABLE AND DURABLE!

Designed upon request of the military, Hercules is probably the most durable and shockproof UV light in the world today, suitable for any “heavy duty” environment. Accidentally Dropped it, kicked it, run it over by a tank, baked it in an oven? – it will still work! – The battery is inside the light, you don’t need to worry it got smashed like ordinary lights. In a tough environment such as non-destructive testing, you want the best NDT equipment possible to avoid disruptions.

Four years after its introduction to market, Hercules Ex has a track record of ZERO failed LEDs.

Hercules Ex is the first and only UV inspection light on the market today with explosion proof approvals that complies with ASTM E3022-18 and all PRIMES requirements, including ROLLS-ROYCE RRES 90061 and AIRBUS AITM6-1001.

Labino is undergoing regular audits to maintain the explosion proof status of Hercules Ex. Our auditor on this product is Intertek. Hercules Ex ATEX certification number is ITS17ATEX402144X.

Hercules Ex is probably the most durable UV light in the world today! This product has been specifically developed for use in areas where the risk of an explosion is high but can also be used in any “heavy duty” environment. Explosion proof products are most often used in Offshore Oil Rigs, Refineries, Aerospace, and Defence.

COMPLIES WITH ASTM E3022-2015 Standard	COMPLIES WITH Rolls-Royce RRES 90061 Specification	COMPLIES WITH Airbus AITM6-1001 Testing Method	COMPLIES WITH Pratt & Whitney Requirements	COMPLIES WITH The Boeing Co Requirements	COMPLIES WITH ISO 3059-12 Standard	COMPLIES WITH USAF Requirements
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Advanced NDT Limited
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Moseley Road, Hallow
Worcester WR2 6NJ

Prices & Specifications Subject To Change Without Notice.

E & O.E

Registered in England & Wales. Company No: 05957975

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THE GLOBAL LEADER IN
ULTRAVIOLET INSPECTION
LIGHTS HAS YOU COVERED

MB Hercules EX (PN: L3000)

Designed upon request of the military, Hercules is probably the most durable and shock-proof UV light in the world today, suitable for any “heavy duty” environment. It comes with explosion proof approvals and is tested to comply with ASTM E3022-18 and all PRIMES requirements, including Rolls-Royce RRES 90061 and Airbus AITM6-1001. Accidentally dropped it, kicked it, baked it in an oven, run it over by a tank? – it will still work! – The battery is inside the light; you don’t need to worry if it will get smashed like ordinary lights.

Hercules Ex is an extremely durable product specifically developed for use in areas where the risk of an explosion is high. Use of explosion proof products is often required in Offshore Oil Rigs, Refineries, Aerospace, and Defence. It has successfully completed extremely tough tests, amongst them tests for thermal conditioning, Impact Tests, Drop Tests, IP tests that led to the ATEX certification (Certificate: ITS17ATEX402144X). This unique product is suitable for use in extreme weather conditions varying from 104° Fahrenheit (+ 40° Celsius) to minus 4° Fahrenheit (- 20° Celsius). Furthermore, Hercules Ex has successfully completed all tests and audits leading to its certification for IECEx, NFPA 70 Article 500 for Class I (divisions II locations) and the United States military tests, Salt Fog Test and Explosive Atmosphere Test.

It has an ingress protection marking of IP66. This unique light is battery powered and has four UV LEDs that generate an intensity of 4,000 $\mu\text{W}/\text{cm}^2$.

A charger is supplied with each lamp enabling users to charge the batteries without removing them from the lamp. Charging of batteries should only take place outside explosive atmospheres. Hercules Ex has been tested to comply with ASTM E3022-18, Rolls-Royce RRES 90061 and Airbus AITM6-1001. A certificate of conformity is provided with every light as well as a 2-year warranty.

FACTS ABOUT HERCULES EX

Output Characteristics	Hercules Ex
Intensity	$\approx 4\,000\ \mu\text{W}/\text{cm}^2$
Visible light	$< 1.5\ \text{lux} / 0.1\ \text{fc}$
Beam	$> 1\,000\ \mu\text{W}/\text{cm}^2$ $\varnothing 8\ \text{inches} / 20\ \text{cm}$

At a distance of 38 cm (15 inches)

Includes:

1 Lamp, 1 Car Charger, 4 Batteries, 1 Carrying Case, 1 UV Block Goggles, 1 External Charger, 1 Rubber Bumper, 1 Power Supply for charging while operating, 1 belt holster & Manufacturers Test Report to relevant standards.

TECHNICAL DATA

	Hercules Ex
UV LED:	4
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
Weight:	888 grams (2.0 lbs)
Battery running time:	3 hours (+/- 5%)



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MB Hercules EX	
Part No:	L3000
Irradiance:	≈ 4,00 μw/cm ²
Visible Light:	< 1.5 lux / 0.1 fc
White Light LED <i>(for after Inspections)</i>	NO
Beam Diameter: > 1,000 μw/cm² :	8 inches / 200 mm
Battery Running Time: <i>(per battery pair, continuous operation)</i>	3 Hours (+/- 5%)
Complies With:	- ASTM E3022-2018 - ISO 3059-12 - Rolls-Royce RRES 90061 - Airbus AITM6-1001



Compliance with relevant ASTM and ISO Standards as well as Industry Engineering specifications

Labino AB LED UV Lights	Built in White Light LED	UV Intensity at 38 cm (15") (μW/cm ²)	COMPLIES WITH ASTM E3022-2018 Standard	COMPLIES WITH Rolls-Royce RRES 90061 Specification	COMPLIES WITH Airbus AITM6-1001 Testing Method	COMPLIES WITH Pratt & Whitney Requirements	COMPLIES WITH The Boeing Co Requirements	COMPLIES WITH ISO 3059-12 Standard	COMPLIES WITH USAF Requirements
MB 3.0 SERIES – HANDHELD LIGHT									
Hercules Ex	-	≈ 4 000	✓	✓	✓	✓	✓	✓	✓
MB 3.0 Zeus	✓	≈ 4 500	✓	✓	✓	✓	-	✓	-
MB 3.0 Zeus with Athena	✓	≈ 4 500	✓	✓	✓	✓	-	✓	-
MB 3.0 Hermes	-	≈ 4 500	✓	✓	✓	✓	✓	✓	✓
MB 3.0 Hermes with Athena	-	≈ 4 500	✓	✓	✓	✓	✓	✓	✓
MB 3.0 Selene	✓	≈ 9 000	✓	-	✓	✓	-	✓	-
MB 3.0 Selene with Athena	✓	≈ 9 000	✓	-	✓	✓	-	✓	-
MB 3.0 Atlas	-	≈ 9 000	✓	-	✓	✓	-	✓	✓
MB 3.0 Atlas with Athena	-	≈ 9 000	✓	-	✓	✓	-	✓	✓

PLEASE NOTE: The above models are in compliance with the above ASTM and ISO standards as well as industry specifications as indicated on the table above irrespective of the power source (Battery or Mains).

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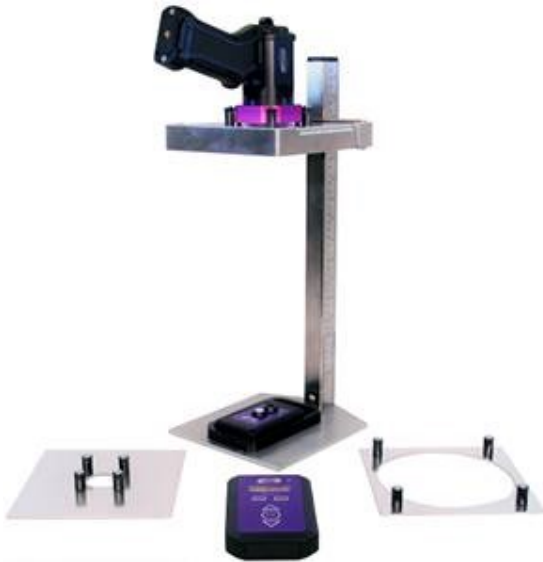
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Labino MB Hercules EX

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Accessories



A542

Olympos Measurement Stand



A533

MB Variable Gooseneck Arm



A530

Variable Friction Arm



F105

MB Thumb Screws



A504

MB Belt Holster



F111

Rubber Bumper

Other MB Versions include:

MB 3.0 Series ZEUS, HERMES, SELENE & ATLAS - UV Inspection Lights

MB Iris - Mountable UV Light

MB Poseidon - Blue LED Light

MB Aris - Forensic Alternate Light Source

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