

UV BLACK LIGHTS & ACCESSORIES



UV Black Light
Equipment



UV Black Light
Accessories



"MAGNAFLUX® UV Black Lights and Accessories helped us stay on budget by improving the detection capabilities of our magnetic particle and liquid penetrant inspection process."

better



Magnaflux® UV Black Lights and Accessories are built to help maximize the detection capabilities of your magnetic particle and liquid penetrant inspection processes by providing UV equipment that performs better, lasts longer and costs less to operate than more conventional UV lights.

Built-in Efficiency

UV BLACK LIGHTS

Vibrance® EV5000 UV LED Black Light

The Vibrance® EV5000 UV LED Black Light may not only be the best UV LED black light you ever buy, but the last as well. Individually tested and certified to a wavelength between 365 - 370 nm, the Vibrance® EV5000 Black Light offers an average bulb life of up to 50,000 hours, a radical new lightweight ergonomic design that is 30% lighter and 90% more energy efficient than traditional mercury vapor UV lights, and a limited lifetime warranty that provides original purchasers with a free loaner light during any warranty approved repairs.

- Lightweight ergonomic design reduces muscle fatigue and stress
- Average LED bulb life of up to 50,000 hours
- Individually serial numbered and certified to wavelength between 365- 370 nm
- Industry's most comprehensive warranty plan includes Free in-service loaner light during warranty approved repairs
- Rugged aluminum housing assures years of NDT inspection performance

General Specifications:

- Weight - Approximately 2lbs. (.91kg)
- Dimensions - 9.5" x 6.5" x 4" (24.1cm x 26.5cm x 10.2cm)
- UV Source - 4x high performance UV-LED clusters
- UV LED Bulb Life - Approximately 50,000 hrs.
- Wavelength - Between 365 - 370 nm
- UV Emission - No UVB or UVC radiation generated
- Operating Voltage - 24V DC
- Power Supply - 115V AC/60Hz/1 Phase
- Power Consumption - <15W

Part Number:

624673 Vibrance® EV5000 UV LED Black Light



UV BLACK LIGHTS & ACCESSORIES

Magnaflux® brand UV Black Lights and Accessories provide improved detection and design features not offered by other UV manufacturers, while simultaneously delivering one of the industry's lowest operating cost and longest bulb life. Our new Vibrance® EV5000 UV LED Black Light weighs in a full 30% lighter than conventional mercury vapor UV lights, costs considerably less to operate, has a projected bulb life of up to 50,000 hrs., and comes with a warranty that includes the use of a FREE loaner light during any warranty approved repairs.

ZB-100F® Fan-Cooled UV Black Light

The Magnaflux ZB-100F® Portable Black Light System produces ultraviolet light at 365 nm. A built-in, quiet operating fan located at the rear of the ZB-100F® lamp housing dramatically reduces operating temperatures to under 85°F, for improved operator safety and comfort, while simultaneously expanding bulb life.

- Cool running for increased safety and comfort
- Extended bulb life for greater operating efficiency
- Polycarbonate bezel shields operator hands from lens
- Recessed lens for improved bulb protection
- Rugged aluminum housing assures years of NDT inspection performance

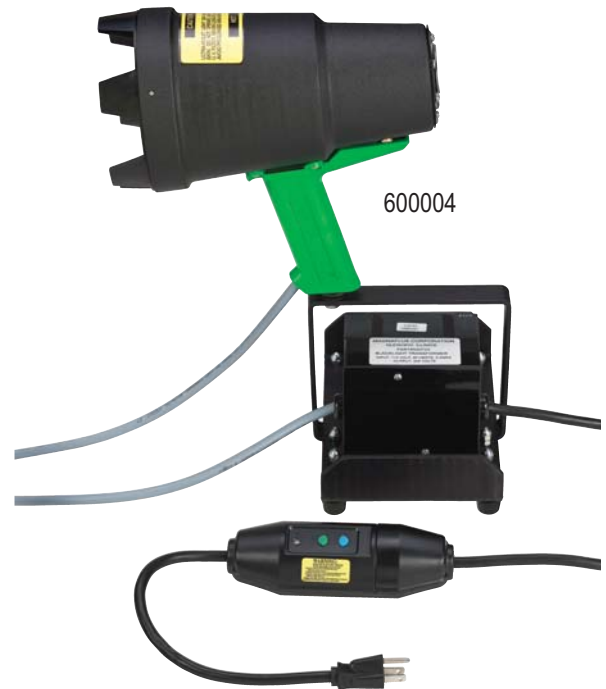
General Specifications:

- Weight - 12 lbs. (5.44 kg) hand lamp with transformer
- Typical Output - 5000 $\mu\text{w}/\text{cm}^2$
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38cm)
- Bulb- 100 watts
- Running Temperature - 85°F (30°C)
- Cord Length - 10ft. (3.05m) lamp to transformer
- Main Cable Supply - 12ft. (3.66m)

Specification Compliance: Industry and Military Standards @ 15" (38cm).

Part Number:

600005	ZB-100F® 100 Watt, 115V/60Hz/1Phase
621254	ZB-100F® 100 Watt, 220V/50Hz/1Phase
600004	ZB-100F® 100 Watt, 115V/60Hz/1Phase with Portable Cart
621311	ZB-100F® 100 Watt, 220V/50Hz/1Phase with Portable Cart
621312	ZB-100F® 100 Watt, 230V/60Hz/1Phase with Portable Cart



ZB-100F-MB® Portable Mag Shot UV Black Light

The Magnaflux ZB-100F-MB® Portable Mag Shot UV Black Light adds the benefit of being able to energize power packs and wet bench units remotely from your black light, when checking for discontinuities in extra long parts. The ZB-100F-MB® has a remote button integrated into the handle of the black light to eliminate the need for continuously returning to the MPI unit to initiate a mag shot.

- Offers the ability to operate MPI unit remotely
- Cool running for increased safety and comfort
- Extended bulb life for greater operating efficiency
- Polycarbonate bezel shields operator hands from lens
- Recessed lens for improved bulb protection
- Rugged aluminum housing assures years of NDT inspection performance





ZB-100F-MB® Portable Mag Shot UV Black Light Continued.

General Specifications:

- Weight - Hand lamp 3lbs. (1.36kg), hand lamp with transformer - 12.5lbs. (5.67kg).
- Typical Output - 5000µw/cm²
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38cm)
- Bulb- 100 watts
- Running Temperature - 85°F (30°C)
- Cord Length - 10ft. (3.05m) lamp to transformer
- Main Cable Supply - 12ft. (3.66m)

Specification Compliance: Industry and Military Standards @ 15" (38cm).

Part Number:

600086 ZB-100F-MB® 100 Watt, 115V/60Hz/1Phase

ZB-150F-SB® Self-Ballasted UV Black Light

The Magnaflux ZB-150F-SB® Self-Ballasted UV Black Light offers the same outstanding performance as our popular ZB-100F® fan cooled UV black light but is self-ballasted to avoid the need to pull along a transformer as inspections are being performed.

- No bulky transformer to pull along
- Cool running for increased safety and comfort
- Extended bulb life for greater operating efficiency
- Polycarbonate bezel shields operator hands from lens
- Recessed lens for improved bulb protection
- Rugged aluminum housing assures years of NDT inspection performance

General Specifications:

- Weight - Hand lamp 2.7lbs. (1.22kg), hand held lamp - 9 lbs. (4.08kg)
- Typical Output - 5000µw/cm²
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38cm)
- Bulb- 150 watts
- Running Temperature - 85°F (30°C)
- Main Cable Supply - 12ft. (3.66m)

Specification Compliance: Industry and Military Standards @ 15" (38cm).

Part Number:

621135 ZB-150F-SB® 100 Watt, 115V/60Hz/1Phase



ZB-12® Hands-Free Portable Battery Powered UV Black Light

The Magnaflux ZB-12® Hands-Free Portable Battery Powered UV Black Light produces ultraviolet light at 365nm. Head and hardhat mountable, the compact, lightweight ZB-12® provides up to 220 minutes of operation on a single charge for in-field hands-free inspection of difficult to reach tanks, pipes and tubes. Battery life expectancy is approximately 1,000 hours based upon lab testing.

- Portable hands-free operation
- Exceeds industry light output standards
- Head or hardhat mountable
- Extended operating time
- Multi-positional lamp head

General Specifications:

- Weight - 4 lbs. (1.81kg)
- Batteries - 2 rechargeable offering 220 minutes per charge
- Typical UV Intensity - Exceeds $1000 \mu\text{w}/\text{cm}^2$ @ 15"
- Typical White Light Emission - Less than 2 ft. candles
- Bulb - 40 watts
- Operating Time - Up to 220 minutes per charge
- Charger - 110V - 240V

Part Number:

623066 ZB-12® Hands-Free Portable Battery Powered UV Black Light. (System Includes: lamp head, (2) battery packs, belt mounting canvas battery bag, wall adapter with U.S. plug, battery charger, cigarette lighter adapter, head/hardhat mount, extension cord, and durable carrying case.)

UV BLACK LIGHT ACCESSORIES

Replacement Bulbs for Standard UV Black Lights

Magnaflux maintains a full inventory of high quality replacement bulbs for all of its standard black light equipment.

Part Number: 507320 - 100 Watt Medium Base Black Light Bulb.

Replacement bulb for ZB-100F® and ZB-100F-MB® UV Black Lights.

Part Number: 519296 - 150 Watt Built-In Ballast Bulb. Replacement built-in ballast bulb for ZB-150F-SB® UV Black Lights.

UV Black Light Filter

Magnaflux offers a smooth output filter designed to improve the operating range and performance of its UV black lights.

Part Number: 519227 - Smooth Filter Glass. Used with ZB-100F®, ZB-100F-MB®, and ZB-150F-SB® UV Black Lights.





UV Black Light Ceiling Mount Assembly

The Magnaflux Ceiling Mount Assembly® comes with hardware to permanently attach hand-held black lights, such as the ZB-100F®, ZB-100F-MB® and ZB-150F-SB®, to the solid roof of an inspection area.

When it is important to bring a black light closer to the inspection area, you may purchase one of the extensions shown below.

Part Number: 623367 - Black Light Ceiling Mount Assembly

Part Number: 622596 - Modular Black Light 5.5 Extension

Part Number: 622597 - Modular Black Light 7.5 Extension



UV Black Light Flat Surface Mount Assembly

The Magnaflux Surface Mount Assembly® provides an adjustable angle for affixing hand-held black lights, such as the ZB-100F®, ZB-100F-MB® and ZB-150F-SB®, to any flat surface.

Part Number: 623366 - Black Light Surface Mount Assembly

Part Number: 622596 - Modular Black Light 5.5 Extension

Part Number: 622597 - Modular Black Light 7.5 Extension



UV Black Light Wet Bench Mounting System

The Magnaflux Wet Bench Mounting System® provides an adjustable mounting system for affixing hand-held black lights, such as the ZB-100F®, ZB-100F-MB® and ZB-150F-SB®, to Magnaflux wet bench units.

Part Number: 623365 - Black Light Wet Bench Mounting System

Part Number: 622596 - Modular Black Light 5.5 Extension

Part Number: 622597 - Modular Black Light 7.5 Extension



UV-A Light Meter

The Magnaflux® UV-A Digital Light Meter is a compact, rugged, easy to operate, multi-function UV meter proven to be highly effective for measuring and calibrating UV-A light sources used in fluorescent magnetic particle and liquid penetrant NDT inspections. It comes with a detachable remote sensor, high-contrast digital LCD display, 9V battery and carrying case.

Part Number:

625024 UV-A Light Meter



White Light Meter

The Magnaflux® White Light Meter accurately measures visible light by foot candles and Lux, and includes white light meter, permanently affixed white light sensor, battery and carrying case.

Part Number:

622338 White Light Meter



ZB-12[®] UV Black Light Accessories

Keep your Magnaflux ZB-12[®] Hands-Free, Portable Battery Powered UV Black Light systems running at peak performance with these long-lasting replacement bulbs, lens filters, battery packs and chargers.

Part Number: 623469 - ZB-12[®] Replacement Bulb

Part Number: 623470 - ZB-12[®] Replacement Battery Pack

Part Number: 623471 - ZB-12[®] Replacement 110/120V Battery Charger

Part Number: 623478 - ZB-12[®] Replacement Filter Lens/Bezel



623469



623470



623471



623478



506249

UV Absorbing Safety Glasses

Magnaflux[®] UV Absorbing Safety Glasses are designed to protect black light users from repeated, day-long exposure to ultraviolet light sources.

Part Number:

506249 UV Absorbing Safety Glasses