UV BLACK LIGHTS & 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®

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 LED 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.

- Lightweight ergonomic design reduces muscle fatigue and stress
- Average LED life of up to 50,000 hours
- Individually serial numbered and certified to wavelength between 365-370 nm
- Electronically stabilized and certified UV intensity with <10 Lux or 1 ft-candle visible emission
- Rugged aluminum housing assures years of NDT inspection performance

General Specifications:

- Weight - Approximately 2 lbs. (1kg)
- Dimensions - 9.5" x 6.5" x 4" (24 x 16.5 x 10 cm)
- UV Source - 4x high performance UV-LED cluster
- UVA Intensity - 5000 µw/cm^2 at 15 in. (38 cm)
- UV LED Life - Approximately 50,000 hrs.
- Wavelength - Certified 365 - 370 nm
- No UVB or UVC radiation generated
- Operating Voltage - 24V DC
- Power Supply - 110-240V AC/50-60Hz/1 Phase
- Power Consumption <15W
- Duty Cycle - Relative duty cycle: 100%

Part Number:

624673   Vibrance® EV5000 UV LED Black Light

624673

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 LED 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 LED life of up to 50,000 hrs.

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 - Hand lamp 3 lbs. (1.36 kg), hand lamp with transformer 12.5 lbs. (5.67 kg)
- Typical Output - 5000 μw/cm^2
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38cm)
- Bulb- 100 Watt
- Running Temperature - 85°F (30°C)
- Cord Length - 10 ft. (3.05m) lamp to transformer
- Main Cable Supply - 12 ft. (3.66 m)

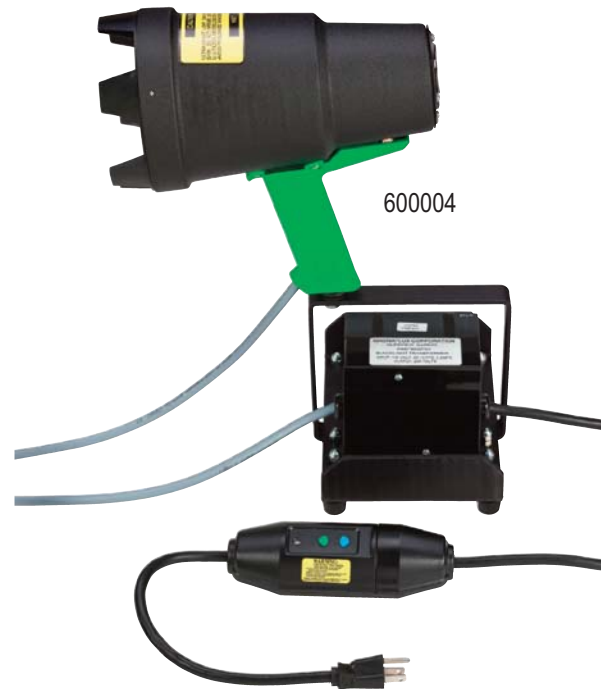**Specification Compliance:** Industry and Military Standards @ 15" (38cm).

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

600004

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

The Magnaflux ZB-100F-MB® Remote 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

600086

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

General Specifications:

- Weight - Hand lamp 3 lbs. (1.36 kg), hand lamp with transformer - 12.5 lbs. (5.67 kg).
- Typical Output - 5000 µw/cm^2
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38 cm)
- Bulb- 100 Watt
- Running Temperature - 85°F (30°C)
- Cord Length - 10 ft. (3.05m) lamp to transformer
- Main Cable Supply - 12 ft. (3.66m)

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

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 2.7 lbs. (1.22 kg)
- Typical Output - 5000 µw/cm^2
- Current Draw - 1.9 amps
- Typical Visible Light - 10 Lux or 1 ft. candle @ 15" (38 cm)
- Bulb- 150 Watt
- Running Temperature - 85°F (30°C)
- Cord Length - 10 ft. (3.05m) lamp to transformer
- Main Cable Supply - 12 ft. (3.05 m) lamp to transformer

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

Part Number:

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

621135

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. (Single bulb sold only to USA, Canada and Mexico.)

Part Number: 625550 - Case of 12 100 Watt Medium Base Black Light Bulbs. Replacement bulb for ZB-100F® and ZB-100F-MB® UV Black Lights. (International customers must order case quantity.)

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

507320

519296

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.

519227

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

623367

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

623366

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
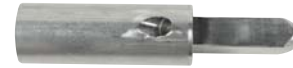
623365

EV5000 UV LED Black Light Mounting Assembly Adaptor

This mounting assembly adaptor allows the EV5000 to be used with all Magnaflux® black light mounting assemblies.

Part Number:

625667   EV5000 Mounting Assembly Adaptor

625667

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

625024

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 with UV filter, battery and carrying case.

Part Number:

622338   White Light Meter

622338

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

506249