

- Fan cooled hand lamp
- 110, 220 or 240V operation
- Lightweight hand lamp
- Meets all NDT specifications
- Strong and rugged to withstand rigorous NDT use

DESIGNED ESPECIALLY FOR NDT INSPECTION

# ZB100F BLACK LIGHT

From the NDT leader, a high intensity Black Light that sets new standards for performance, comfort, safety, ruggedness



**MAGNAFLUX®**  
Division of ITW Ltd

## OPTIONAL ACCESSORIES



### Adjustable Black Light Bench Mount

Pt No 023A008B

Fits on any workbench, enables the UV(A) light to be positioned at most convenient angle for inspecting components.



### Adjustable Black Light Unit Mount

Pt No 023A008

Fits on any unit, enables the UV(A) light to be positioned at most convenient angle for inspecting components.

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# ZB100F BLACK LIGHT

The ZB100F, designed for use with fluorescent dye penetrant and magnetic particle inspection processes, generates and emits ultra violet light with a wavelength of 365 nanometers; the preferred wavelength for NDT inspection.

The ZB100F is lightweight, well balanced, and has a cool\* running temperature which provides superior operator comfort. The unit also incorporates multi-voltage selection at 110V, 220V and 240V. (\*See running temperature data below)

## Specification and Operating Data

Power supply	110 Volt 50Hz 1Ph	220 Volt 50Hz 1Ph	240 Volt 50Hz 1Ph
Current Draw	1.40 Amp	0.60 Amp	0.55 Amp
Typical UV Intensity at 325mm	4000 microwatts per cm2		
Typical visible light emission at 325mm	Less than 0.1 Lux or 1 foot candle		
Bulb	100 Watt		
*Running temperature 20°C ambient	Less than 40°C		
Weight (Hand lamp only)	1.3 Kg		
Total weight	7.0 Kg		
Lamp to control unit cable length	2.95 metres (optional 5 metre length)		
Mains supply cable length	2 metres		

Units carry the C E mark and conform to the appropriate European Union Directives

## OTHER UV(A) LIGHT ACCESSORIES



### Mk VI LIGHT METER

Pt No 017B012

Digital Light Meter Mk VI includes photometer UV (A) light ( $\mu$  w) and visible (Lux) light sensors.



### CONTRAST CONTROL SPECTACLES

Pt No 017G001

Specifically designed to eliminate long wave UV(A) and protect the eyes during excessive periods under ultraviolet lighting, these spectacles also reduce fatigue and provide an optimum contrast in viewing.

## U.V.(A) LIGHT SPARES

### 100 Watt Bulb (ZB100F)

Pt No 002L075

### SMOOTH FILTER GLASS (ZB100F)

Pt No 008F012

### COOLING FAN (ZB100F)

Pt No 003F021

### REPLACEMENT SOCKET (ZB100F)

Pt No 600063

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