

ZB-400F UV LIGHT



Magnaflux ultraviolet (UV) black lights are designed to maximise the detection properties of your inspection process. You can count on our durable, cool-running UV lights to keep your magnetic particle and penetrant inspection systems running at peak detection levels, both on the floor and in the field.

General Description

The ZB-400F gives high-intensity UV output, making it ideal for illumination over a large area, or for use as bracket-mounted lamp.

Note: the ZB-400F's UV light intensity, uniformity and illumination area varies according to irradiation distance.

Product Features

- Modular design allows multiple UV lamps to be used.
- Hanging bracket with plastic hand wheel for locking off against clutch dish.
- Elapsed hour counter for UV bulb change scheduling.
- Filter glass assembly is fitted to a hinged front door, enabling easy access for bulb and filter glass replacement and cleaning.
- Separate power supply.
- UV output with a wavelength of 365 nanometers, the industry standard for NDT inspection.
- Carries the CE mark and conforms to the appropriate European Union directives.

Specifications

Part number	032B037
UV bulb	High-intensity discharge 400 W iron-doped metal halide (ozone free)
UV bulb lifespan	Ca 500 hours, depending on age, environment, switching and cooling
Surface temperature of lamp housing	< 50°C
Power supply	230 V or 115 V / 50 Hz (60 Hz option available)
Power consumption	410 W
Current	2.5 A
Weight of lamp unit	2 Kg
Total weight	Ca 7.5 Kg
Lamp to control unit cable length	3 m
Mains supply cable length	2.5 m
Reflector	Aluminium - UVL full spectrum grade
Noise	< 70 dB
Rating	IP 40
Construction material	Sheet aluminium
Finish	UV-stable black polyester powder coating
Integral fuse protection	2 x 6.3A miniature time-lag fuses, ceramic body 5 x 20 mm
Filter glass (black)	Wavelength transmission range: 300 - 405 nm
	Size: 180 x 140 x 3.5 mm

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Accessories



Uve-Lux Meter

The Uve-Lux is a compact, lightweight and robust meter that accurately measures both UV (black) light and visible (white) light at the same time.

For more information, see the Product Data Sheet for this meter.

Part number 017B012



Eye and Face Protection

Designed to eliminate long wave UV(A), our eyes shields will protect your eyes during long periods of testing under UV lighting. They also help to reduce eye fatigue and provide an optimum contrast in viewing.

Part numbers:

- **017G001:** protective spectacles
- **017G002 / 124510:** designed to fit over normal spectacles
- **124512:** full face protection