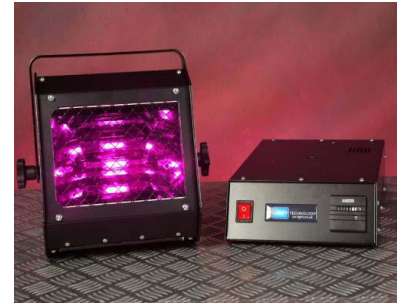


UV 400W FLOOD LAMP for UV fluorescence

- High irradiance blacklight for large area illumination -

Product Features

- Compact, lightweight and durable.
- Modular design for multiple UV lamp installations.
- Fan cooled for temperature management.
- 135V to UV lamp unit for added electrical safety.
- Filter glass assembly is fitted to a hinged front door, enabling easy access for UV bulb replacement and cleaning.
- Elapsed hour counter for service scheduling.
- Safety wire mesh over filter glass.
- Mounting bracket.



Accessories

1. Barn doors for restricting UV light beam in certain directions.
2. 5m connecting cable extension - UV lamp unit to power supply unit.

Technical Data

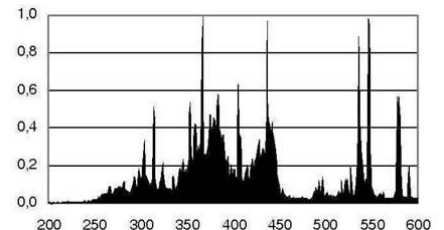
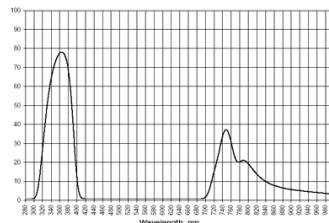
- **UV light irradiance** - depends on distance.
- **Illumination area** - depends on distance.
- **Uniformity of UV light irradiance** - depends on illumination area.
- **UV 400W high intensity discharge bulb:** Iron doped metal halide (ozone free)
- **UV bulb useful operating life (estimated):** 500 hours - depends on age, environment, switching and cooling
- **Filter glass type:** Black
- **Filter glass size:** 180mm x 140mm x 3.25mm
- **Reflector:** Aluminium - UVL full spectrum grade
- **Power supply requirement:** 230V/50Hz or 115V/50Hz (60Hz options available)
- **Power:** 410W
- **Noise:** < 70 dB
- **Rating:** IP 40
- **Integral fuse protection:** 2 x 6.3A miniature time lag fuses - ceramic body 5mm x 20mm
- **Thermal protection:** Auto reset thermal cut out
- **Construction material:** Sheet aluminium
- **Coating material:** UV stable black polyester powder
- **Connecting cable length:** 2m (5m extension option)
- **Weight of UV lamp unit:** Approximately 2Kg



The flood lamp incorporates a high irradiance discharge 400W iron doped metal halide UV bulb with spectral output as shown below:

A black filter glass with a wavelength transmission range as shown below is fitted in front of the UV bulb in order to produce the required UV light spectral output for UV fluorescent inspection processes.

Emission spectrum for
Iron doped metal halide UV bulb
Black filter glass -
UV wavelength transmission
range 315 - 405nm



Health and Safety

All our UV light equipment is supplied with comprehensive operating instructions - including maximum permissible UV light exposure times for the unprotected skin and eye at specified distances from the UV lamp, enabling strict compliance with new EU rules, defined by the Optical Radiation Directive 2006/25/EC.

Options

Power supply requirements:

- 230V/50Hz
- 115V/50Hz
- 60Hz options available



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