

UV 250W HAND LAMP for UV fluorescence

- High intensity blacklight for large area illumination -

Product Features

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



cleaning.

Accessories

1. Carrying bag.
2. Resting bracket with UV light shield.
3. Mounting bracket kit.
4. 5m connecting cable extension – UV hand lamp to power supply unit.
5. 10m connecting cable– UV hand lamp to power supply unit. Ratchet system with spring return. Requires factory fitting.



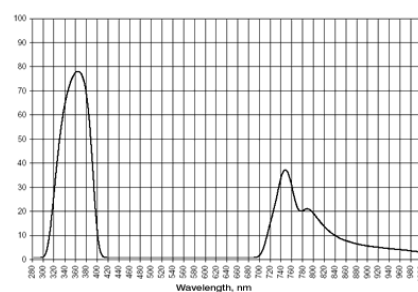
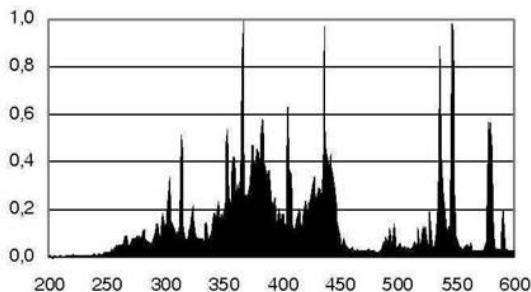
Technical Data

- **UV light irradiance** - depends on distance.
- **Illumination area** - depends on distance.
- **Uniformity of UV light irradiance** - depends on illumination area.
- **UV 250W 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:** 140mm x 85mm x 3mm
- **Reflector:** Aluminium - UVL full spectrum grade
- **Power supply requirement:** 230V/50Hz or 115V/50Hz (60Hz options available)
- **Power:** 250W
- **Noise:** < 70 dB
- **Rating:** IP 40
- **Integral fuse protection:** 2 x 4A 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:** 3m (5m extension or 10m coiled cable options)
- **Weight of UV hand lamp:** Approximately 1.5Kg

The hand lamp incorporates a high irradiance discharge 250W 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.

Wavelength (nm) Relative Intensity UV light irradiance (relative units)

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



Options

Power supply requirement: 230V/50Hz, 115V/50Hz, 60Hz options available



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