

IUV 400

UV Curing Flood Lamp



Description

The **IUV 400 UV Curing Flood Lamp** is a high intensity, versatile, hand-held or fixed mounting UV lamp for applications including the curing of adhesives, coatings, and potting materials. It has a separate power supply making it suitable for many applications where a portable and mobile lamp is required. The high lamp output and intensity offer excellent curing results in seconds, depending on adhesives and substrates.

Features & Benefits

- Aluminium UV lamp unit is compact, lightweight and extremely durable
- Fan cooled for low UV lamp housing temperatures
- Glass filter assembly is fitted to a hinged front door, enabling easy access for UV bulb and glass filter replacement and cleaning
- Elapsed hour counter for UV bulb change scheduling
- Auto reset thermal safety cut out
- Wire mesh over filter glass for protection
- Hand-held or fixed mounting

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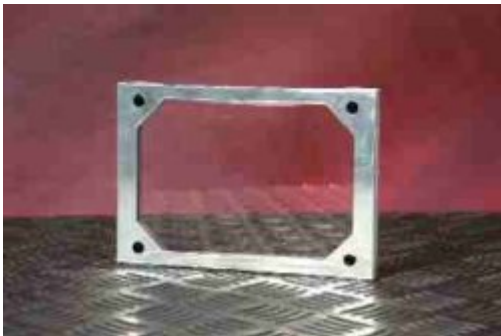


Applications

- Curing of UV adhesives for glass, plastic & metals
- Curing of UV potting on electrical & electronic components
- Production and repair of 3D models from stereolithography (UV hardening polyester resins)

Filters

A 140mm x 85mm glass filter option is available, which is fitted into a holder. A specified glass filter assembly is fitted when ordering, and different ones are easily retrofitted. Other options are available for special applications. Please consult with us if you need advice as to the best filter for your application.



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Part no	Description	Transmission wavelengths	Applications
IUV250-20 IUV400-20	Clear UV-A	315nm upwards	Fitted as standard. Provides high intensity long wave UV-A and bright visible light. Suitable for curing UV and UV/visible light adhesives, coatings, etc.
IUV250-21	Blue UV-A	315nm to 460nm	Provides high intensity long wave UV-A and some visible blue light. Suitable for UV curing. This filter cuts down on the bright visible glare from the Clear UV-A filter, but gives approximately 20% less curing energy.

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Options

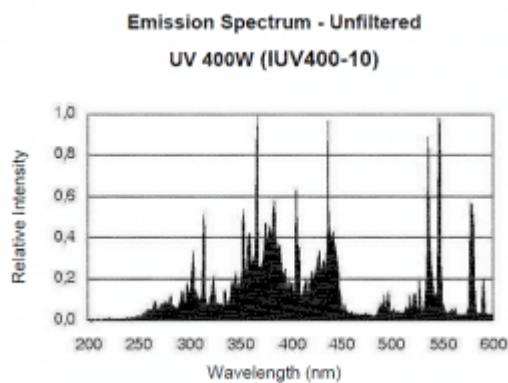
When switched on, we recommend that the IUV 400 UV Curing Flood Lamp be stored on our IUV250-30 Stand, which has an integral light shield. This stand has mounting holes which allow it to be fixed to a bench. Alternatively, the IUV250-31 Fixed Mounting Bracket can be attached to the lamp with adjusting hand wheels, allowing the IUV 400 to be fixed to a wall, ceiling or bench and angled to suit. A 5 metre power extension cable (from lamp to power supply) is available for maximum mobility.



Specifications

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IUV 400 metal halide bulb spectral output

	IUV 400
Bulb (Other options available for special applications)	High intensity discharge 400W, iron doped metal halide (ozone free)
Illumination area (distance dependent)	300mm x 200mm

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Power	410W
Integral fuse protection	2 x 6.3A miniature time-lag fuses ceramic body 5mm x 20mm
Connecting cable length	2m (optional 5m extension)
Weight of UV lamp unit	2kg
Dimensions of power supply unit (l x w x h)	~355 x 220 x 88 mm
Bulb life	Approx 500 hours – depending upon age, environment, switching and cooling
Reflector	Aluminium – full spectrum grade
Power supply requirement	230V/50Hz (115V/50/60Hz available to special order)
Noise	< 70 dB
Rating	IP40
Construction material	Sheet aluminium
Finish	UV stable black polyester powder coating

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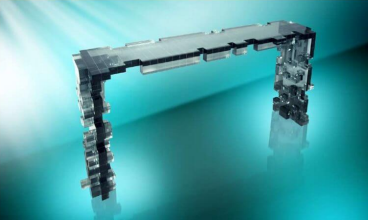

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Other Information

See how the **IUV lamp** works as part of a real application in this UV curing adhesives and equipment

[Case Study:](#)

<p>CASE STUDY</p> <p>intertronics adhesives, coatings, sealants & equipment for your manufacturing and technology applications</p> <p>Dymax Ultra Light-Weld 3099 UV/Visible Light Curing Adhesive</p> <p>IUV250 UV Curing Flood Lamp</p>  	<p>Acrylic bonding – when it absolutely must look right</p> <p>A UV adhesive and curing application that required a quick, clear and clean finish.</p>
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Ordering Information

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Part no	Description
IUV400	400W UV Curing Flood Lamp 230V/50Hz (Safety eyewear not included)
IUVUV-SG10	Safety eyewear – UV Blocking Goggles, Grey
IUV400-10	IUV 400 Replacement Bulb (Iron Doped Metal Halide)
IUV400-11	IUV 400 Replacement Bulb (Gallium)
IUV400-12	IUV 400 Replacement Bulb (Mercury)
IUV400-20	IUV 400 Clear UV-A Glass Filter Assembly

Supplied by:

intertronics

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Last updated: March 2019 Version: 3.3

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