

# IUV400 UV Curing Flood Lamp



## Description

Also available to buy online at  **SHOP** 

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

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- Light output is filtered to minimise hazards from short and medium wave UV and bright visible light
- 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

## 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)

## Filter

The **IUV400-21 IUV 400 glass filter assembly – UV-A to Blue (315nm-450nm)** is fitted as standard. It provides high intensity long wave UV-A and some visible blue light, and is suitable for UV curing. It filters out the more hazardous medium and short wave UV light, as well as glare from bright white visible light.

# IUV400 UV Curing Flood Lamp



## 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. A 5 metre power extension cable (from lamp to power supply) is available for maximum mobility.

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## Specifications

Specification	IUV 400
Bulb (Other options available for special applications)	High intensity discharge 400W, iron doped metal halide (ozone free)

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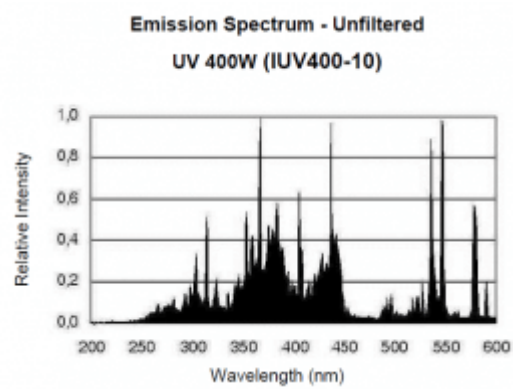


Specification	IUV 400
Illumination area (distance dependent)	300mm x 200mm
Power	410W
Integral fuse protection	2 x 6.3A miniature time-lag fuses ceramic body 5mm x 20mm
Connecting cable length	2m (optional 5m extension)
Weight of UV lamp unit	2kg
Dimensions of power supply unit (l x w x h)	~355 x 220 x 88mm
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	< 70dB
Rating	IP40

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Specification	IUV 400
Construction material	Sheet aluminium
Finish	UV stable black polyester powder coating

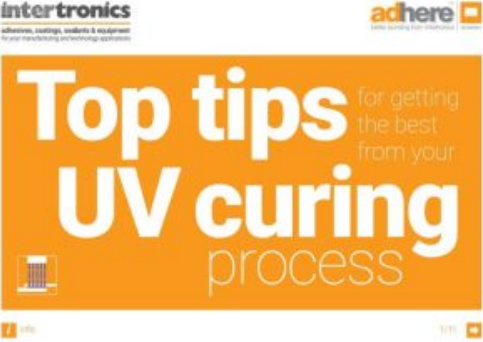


IUV 400 metal halide bulb spectral output

## Other Information

# IUV400 UV Curing Flood Lamp



 The image shows the cover of a guide titled 'Top tips for getting the best from your UV curing process'. The cover is orange with white text. At the top left is the 'intertronics' logo, and at the top right is the 'adhere' logo. The title 'Top tips' is large, followed by 'for getting the best from your' in smaller text, and 'UV curing process' in large text. There is a small icon of a UV lamp in the bottom left corner.	<p><a href="#"><u>Top Tips for getting the best from your UV curing process</u></a></p> <p>Read through our easy-to-follow guide on UV curing to maximise your processes productivity.</p>
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Find out more about the technology behind the **IUV400** by reading our [technical bulletins and white papers](#):





- [UV Curing and Tack-Free Cures](#)
  - [Achieving Better Process Controls with Light Cure Technology](#)
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# IUV400 UV Curing Flood Lamp



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

## Case Studies:



<p><b>CASE STUDY</b></p> <p><b>intertronics</b> adhesives, coatings, sealants &amp; equipment for your manufacturing and technology applications</p> <p>Dymax Ultra Light-Weld 3099 UV/Visible Light Curing Adhesive IUV250 UV Curing Flood Lamp</p>  	<p><u>Acrylic bonding – when it absolutely must look right</u></p> <p>A UV adhesive and curing application that required a quick, clear and clean finish.</p>
<p><b>CASE STUDY</b></p> <p><b>intertronics</b> adhesives, coatings, sealants &amp; equipment for your manufacturing and technology applications</p> <p>Dymax 429 UV adhesive for glass bonding IUV 250 UV curing flood lamp</p>  	<p><u>UV adhesive provides virtually invisible bond for prestigious bespoke clock</u></p> <p>The problem of bonding dissimilar surfaces with a virtually invisible bond for a bespoke clock by Smith of Derby was solved in seconds thanks to a cure-on-demand UV curing adhesive and equipment:</p>



# IUV400 UV Curing Flood Lamp





## Ordering Information

Part number	Description
IUV400 	UV Curing Flood Lamp 400W 230V/50Hz (safety eyewear not included)
IUVUV-SG10 	Safety eyewear – UV blocking goggles, grey



# IUV400 UV Curing Flood Lamp



Part number	Description
IUV400-10 	IUV 400 replacement bulb (iron doped metal halide) – fitted as standard
IUV400-21	IUV 400 glass filter assembly – UV-A to Blue (315nm-450nm) – fitted as standard
IUV250-30 	Stand with shield

# IUV400 UV Curing Flood Lamp



Part number	Description
<div>IUV250-32</div> <div><div>SHOP </div></div>	Lamp extension cable 5m

Let's start by talking about your application

# IUV400 UV Curing Flood Lamp



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- Name\*
- Company\*
- Phone\*
- Email\*
- Post code\*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

- 
- Tell us about your application

# IUV400 UV Curing Flood Lamp



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Last updated: January 2024 Version: 4.8

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