

# Heraeus



## Attention to detail.

Amba<sup>®</sup> lamps, replacement lamps for a wide range of UV curing applications.



Need a lamp?





## Amba®. We understand lamps.

This is why we make it easier and more convenient for you to find **the best lamp for your curing equipment**. Our friendly, multilingual sales specialists guide you with a few questions to the right lamp.

We offer a range of more than **10,000 lamp** types for virtually all types of equipment and application. If you contact us by telephone, fax, email or via our website you will receive a prompt response from someone who speaks your language and understands your requirements.

more than **10.000**  
lamps

### Your advantages:

- Outstanding quality and reliability
- 200% performance guarantee
- More than 10,000 lamp types (also for unusual lengths, special output characteristics and MH additives)
- Reliably high UV emission throughout lamp life time for efficient curing processes
- Strong seals, immaculate quartz glass, high-quality electrodes and connectors for a better performance
- Tailor-made lamps: matching your requirements

### Our products are used in many applications:

Adhesive curing ■ Automotive components ■ CD manufacturing ■ Flexo printing ■ Glass decoration ■ Graphic arts ■ Inkjet printing ■ Large format printing ■ Label printing ■ Metal decorating ■ Narrow and wide web ■ Offset printing ■ Optical lens coating ■ Packaging ■ PCB manufacture ■ UV lacquer ■ UV finishing ... and many more

### Tailor-made lamps: We speak your language. Talk to us.

For unusual lengths, special output characteristics and MH additives, we will produce the perfect Amba® lamp to suit your needs. For special OEM designs, we provide in-depth technical consulting by our R&D department and in-house test facilities.

### Lamp request form:





### Mercury UV lamps – for curing applications

Mercury arc lamps are most commonly used for curing applications. The Heraeus Amba® product range includes lamps from a 12 mm arc length up to 3.9 metres and everything in between. The unique flexibility of the production line means that anything from just one replacement lamp up to large batch quantities for the most widely used types can be made. Power ratings range from 80 watts per cm up to 400 watts per cm.

lamps from a  
**12 mm** arc length  
 up to **3.9 metres**

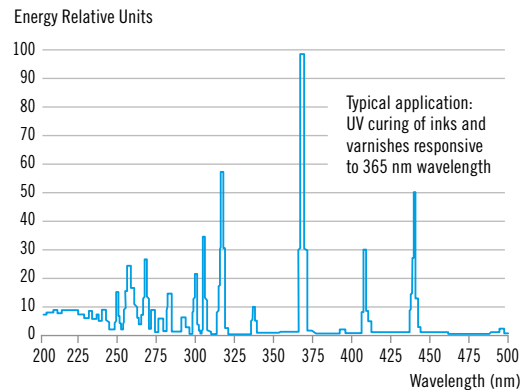
### Metal halide lamps – for repro graphic and special curing applications

Metal halide lamps are most commonly used for repro graphic applications, and for some curing applications requiring enhanced spectral outputs. They are mercury lamps with the addition of gallium iodide, iron iodide or other rare earth metal iodides which alter the spectral output of the lamp. At Heraeus, we are specialists in finding the right metal halide for your specific application that optimises the efficiency of your curing process. The quality of Amba® metal halide lamps can be quantified by:

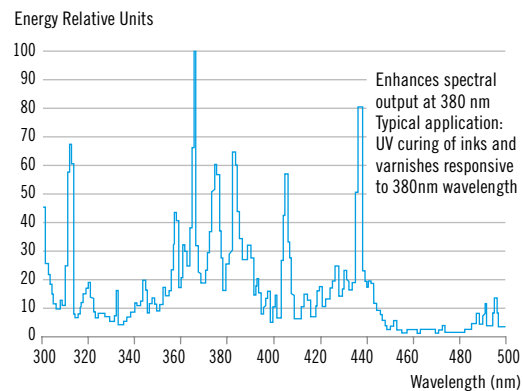
- a long service life
- short exposure times
- small variations in exposure time during the life of the lamps
- reliable ignition

### Spectral output comparison:

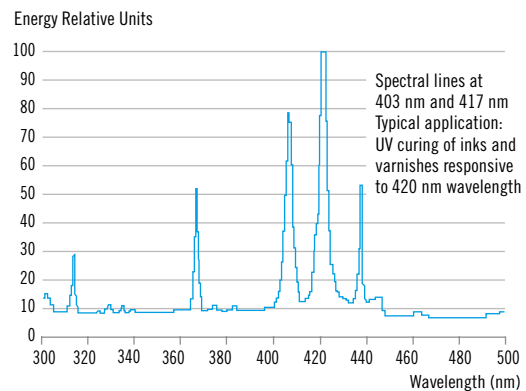
Typical spectral output of a mercury lamp



Typical spectral output of an iron iodide lamp



Typical spectral output of a gallium iodide lamp





## Replacement lamps for all UV system manufacturers

Abbess ■ American Ultra Violet ■ Amjo ■ Aquatron ■ Arradiant ■ Argon ■ Argus ■ Barberan ■ Brewer ■ C Sun ■ Cefla ■ Chambon ■ Colight ■ Colordry ■ Comco ■ Dubuit ■ Eltosch ■ Gallus ■ GEW ■ Giardina ■ Hackemack ■ Hanovia ■ Idealquartz ■ IST ■ Iwasaki ■ Japanese Storage Battery ■ Kammann ■ Ko-Pack ■ Mark Andy ■ Natgraph ■ Nilpeter ■ ORC ■ Primarc ■ Walter Reynolds ■ SPS ■ SPE ■ Sanki ■ Schneider ■ Siasprint ■ Singulus ■ Spectral ■ Starna ■ Svecia ■ Steinemann ■ Superfici ■ Technigraf ■ Theimer ■ Thieme ■ UV ■ Technology ■ VTI ■ Wallace Knight ... and many more

### Absolute lamp reliability

When you receive your Amba® lamp, you can see the Amba® quality as you take it out of its box. Strong seals, immaculate quartz glass, high-quality electrodes and connectors are just a few indicators of a quality product. Once installed, they will do exactly what you expect them to do.

They simply start first time, every time, and provide a reliably high UV emission throughout their long lives. So you can rest assured and focus on your manufacturing process.

### Perfect and consistent curing results

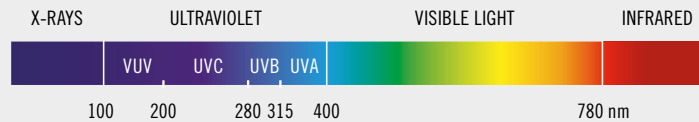
Amba® UV curing lamps are engineered and built for perfect and reliable curing results. We work hard to achieve this consistently high quality. Starting with best raw materials, the lamps are manufactured using latest technology and a level of workmanship that we take pride in.

All Amba® UV lamps come with a “200% tested” performance guarantee. Every lamp is tested not once, but twice before it leaves the factory. Amba® lamps have always been associated with quality and reliability.



# We make light productive !

Heraeus Noblelight is the top global name in photonics-based products and solutions from UV to infrared. We offer sophisticated and dependable lighting systems that are developed for specific customer applications. Benefit from major productivity gains, product improvements and optimized energy use in industrial, scientific and medical applications.



We work closely with plant manufacturers and end-customers to develop customized solutions for industrial processes. In 1904, the invention of the mercury vapor quartz glass lamp paved the way for the production of special UV lamps at Heraeus. Today, more than 90 percent of our UV developments are customer-specific solutions.

Our UV experts will work with you to find the optimum solution for your process. They carry out practical tests on customer materials and optimize industrial processes in our in-house application and development centers around the world. We also have an ISO 17025-accredited measurement lab in Hanau, where various lamp types and devices are calibrated and customer-specific measurements can also be carried out. Make the most of our expertise and our decades of experience with technical lighting systems.

Our top priority is to find the right solution for your process requirements. No matter whether you want to optimize existing applications or are keen to move into new markets, Heraeus Noblelight offers you efficient, well thought-out and durable solutions that will make sure you stay one step ahead of the competition. Put your trust in tried-and-tested Heraeus quality!

**Think UV. Think Heraeus**  
[www.heraeus-noblelight.com](http://www.heraeus-noblelight.com)

Germany  
**Heraeus Noblelight GmbH**  
Heraeusstrasse 12-14  
63450 Hanau  
Phone +49 6181 35 4499  
Fax +49 6181 35 164499  
[hng-uv@heraeus.com](mailto:hng-uv@heraeus.com)  
[heraeus-noblelight.com](http://heraeus-noblelight.com)

United Kingdom  
**Heraeus Noblelight Ltd.**  
UV Process Division  
First Floor Unit 2B  
Banbury Office Village  
Noral Way  
Banbury, OX16 2SB  
Phone +44 1295 35 272666  
Fax +44 1295 272611  
[ambalamps@heraeus.com](mailto:ambalamps@heraeus.com)  
[heraeus-noblelight.com/amba](http://heraeus-noblelight.com/amba)

Local Partner:



Lamps should be replaced in accordance with system manufacturers instructions. Observe all regulations regarding UV protection as exposure can be harmful to eyes and skin. Technical data are subject to modification.

