



Irradiance up to **1000 mW/cm²** on **100 mm x 100 mm**

Smart Optics
High efficiency

Best performance
at high working distance

Technologies
UWAVE Know-how

◆ FUSION DRIVE™
◆ SMART BLADE™

Wavelength
365, 385, 395 or 405 nm

Wide range of UV curing
applications supported

Optical Options



Different optical choices

UWAVE has designed and proposed several options to custom its standard products.

Depending on your applications and your needs, we will be able to create the perfect product that will fit your needs.

Max Irradiance Options

Two different maximal power options

1000 mW/cm² & **250** mW/cm²



FUSION DRIVE™

UWAVE has designed its products in order to fit OEM and SI (System Integrator) requirements.

Thanks to this technology, it is possible to control the **UCUBE™** directly from the PLC (Programme Logic Controller). Many options are available such as the temperature monitoring, the control of the UV irradiance and the time of insolation.



SMART BLADE™

In industries, noise reduction is a growing issue. Aware of this concern **UWAVE**, decided to develop this technology.

The **SMART BLADE™** technology analyzes the data provided by the UV LED source to control the fans in real time and thus minimize the noise. By optimizing its own temperature control, our sources are guaranteed both stable and durable.

Examples of applications



UV curing of glues in the cosmetic industry for assembling on perfume bottles.

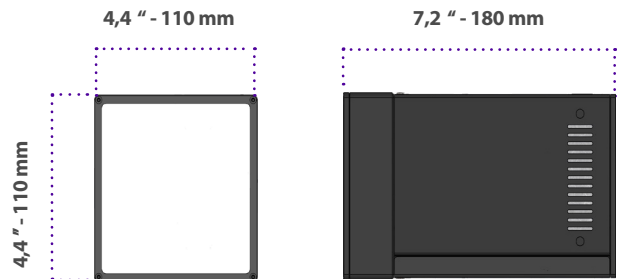


Assembling and curing processes in the high-tech industry (glues, varnishes...).



UV curing of resins and coatings in the electronic industry for manufacturing and finishing processes.

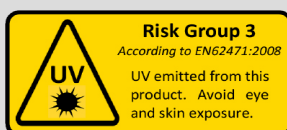
Dimensions



Advantages of UV LED Technology

The **UCUBE™** can be switched ON and OFF as often as necessary and has much higher output power stability than other technologies.

UV LEDs do not emit infrared radiation, thus heat sensitive materials can be processed. UV LEDs are eco-friendly as they do not create ozone, do not contain mercury and only need a few watts to operate.



Technical Information

Wavelength	365 nm	385 nm	395 nm	405 nm
Max Irradiance	900 mW/cm ²	1000 mW/cm ²		
Electric power consumption	~ 400W			
Main Supply	48 V DC			
Weight	2,2 kg			
Part Number	UCUBE-XXX-YYY			
Optical options	- Lenses - Diffuser			

XXX = Wavelength in nm
YYY = Max irradiance in mW/cm²



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To learn more about our UV curing solutions please visit
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