

Homogeneous, Flexible & Reliable UV LED product

Smart Optics High homogeneity

Homogeneous irradiance distribution, even in series

Technologies Thanks to UWAVE Know-how

 FUSION DRIVE™
 SMART BLADE™

Wavelength 365, 385, 395 or 405 nm

Wide range of UV curing applications supported

Perfectly fitted for automated processes

Homogeneous irradiance distribution in series installation

In order to provide great flexibility this product has been designed keeping in mind one important specification homogeneity. Indeed thanks to our optical design the **UBAR™** can be installed in series without shadowed areas.



Smart lamp for better automation

Communication between our UV LED lamps and the industrial machines has been improved.

Aware of the ability importance in production industrial processes we added a control modul which allows the UV LED system to prevent from LED issues. In case of damaged LED the product will send an error signal.



FUSION DRIVE™

Thanks to this technology, it is possible to control the **UBAR™** 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.

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.

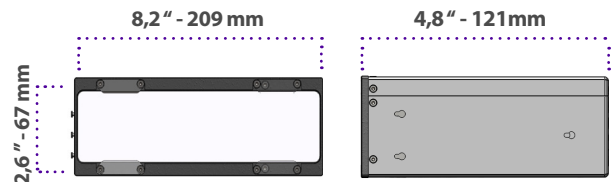


SMART BLADE™

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.

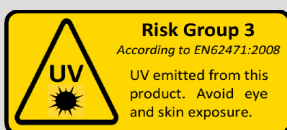
Dimensions



Advantages of UV LED Technology

The **UBAR™** 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	500 mW/cm ²			
Main Supply	24 V DC			
Weight	2 kg			
Part Number	UBAR-XXX			

XXX = Wavelength in nm



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