UWAVE
UV LED & OPTICAL | SMART SOLUTIONS

UBAR ™

Homogeneous, Flexible & Reliable UV LED product

Smart Design
High homogeneity

Homogeneous irradiance distribution

Technologies
Thanks to UWAVE Know-how

FUSION DRIVE™
SMART BLADE™

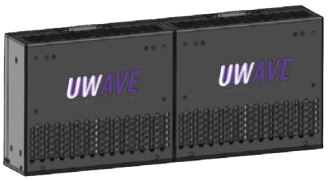
Wavelength
365, 385, 395 or 405 nm

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 the importance of the fiability in production industrial processes we added a control modul which allows the UV LED system to prevent from LED issues. In case of default 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.

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.

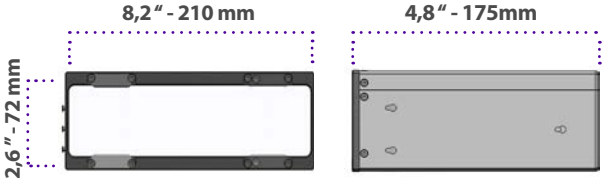
Examples of applications

UV curing of glues in the cosmectic 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 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/cm²			
Emitting window	50 x 200 mm			
Main Supply	48 V DC			
Weight	2 kg			
Part Number	UBAR-XXX			

XXX = Wavelength in nm

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Distributor

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where technologies meet solutions

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