



Ultra-Flexible & Compact UV LED spot system

Flexibility

Spot size & working distance

Adjustable optical system
allowing sharp spots

Technology

UWAVE Know-how

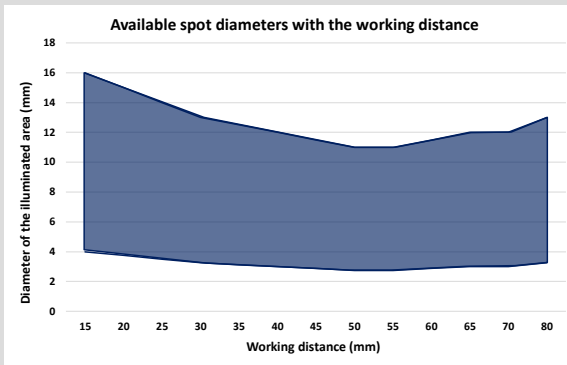
◆ FUSION DRIVE™

Wavelength

365, 385, 395 or 405 nm

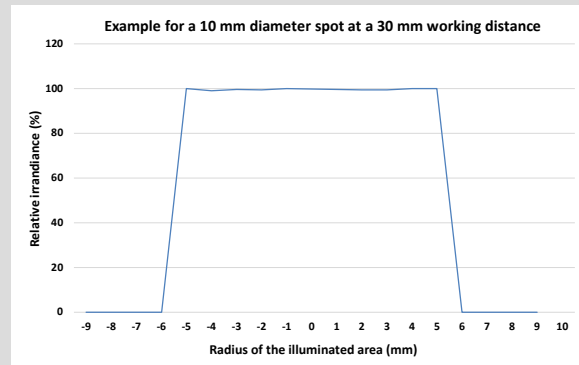
Wide range of UV curing
applications supported

Infinite range of spot sizes



More options available upon request.

Perfect irradiance contrast



FUSION DRIVE™

UWAVE has designed its products in order to fit OEM and SI requirements.

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



UWAVE Know-how

The USHARP™ leans on UWAVE expertise.

With its integrated optical system, you will be able to adjust your UV spot size while keeping the same working distance. This will result a very precise UV illumination profile with very little losses of irradiance.

Intermediate positions allow you to illuminate with a different spot size, with one single optical system.

Examples of applications



Curing UV resins in electronic assemblies, or UV fluorescent examination.



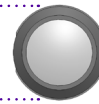
UV detection of QR-codes or security marks in automated processes.



Assembling components in the opto-electronic industries and processes.

Dimensions

1,3" - 32 mm



Min 5,7" - 144 mm // Max 7,9 - 200 mm



Advantages of UV LED Technology

The USHARP™ 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	700 mW/cm ²	900 mW/cm ²		
Electrical Power Input	~ 5 W			
Main Supply	24V DC			
Weight	300g			
Part Number	USHARP-XXX-YY-ZZ			

XXX = Wavelength in nm
YY = Working distance in mm
ZZ = Spot diameter in mm



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