

# USPOT: improved optics and electronics



**UWAVE launches an updated version of its more powerful UV spotlight: the USPOT**  
**With more optical power and new electronical signals to facilitate its integration**

## Improved Optical Power



The USPOT offered an adapted solution for UV spot curing processes with its collimated optical system.

WINDOW version does not feature this optical system as **the LEDs now have their own lenses**.

Resulting UV maximum intensity is twice as powerful as the former version: **from 3500mW/cm<sup>2</sup> to more than 7000mW/cm<sup>2</sup>**.

If you already use or prefer the collimated optics version, it will still be available.



USPOT  
 Collimated optics  
 Peak irradiance: 3500mW/cm<sup>2</sup>



USPOT-WINDOW  
 Collimated LEDs  
 Peak irradiance: 7400mW/cm<sup>2</sup>



The new electronical board designed by UWAVE allows many advantages, especially for integrators and machine builders:

- **Temperature error signal:** the lighting stops if overheating and works if temperature is ok
- **UV LED ON signal:** indicates to the PLC/robot the status of LED: **ON** or **OFF**
- **Multiple dimming modes:** select how you want to control the illumination intensity:  
DIRECT or INDIRECT / [0-24V], [0-10V] or [0-5V]

## Advantages of LED Technology



- **Optical stability:** instant ON/OFF & no warm-up time
- **Longer lifetime:** more than 20.000 h
- **Easier integration:** robustness & compacity
- **Eco-friendly structure:** 0% mercury & no harmful ozone production
- **Energy saving:** fewer electrical power needed to operate



**Questions?  
Contact us!**



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# UWAVE

UV LED & OPTICAL | SMART SOLUTIONS

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