

# UVC LED DOTS



**UVC LED Dots provide a visual indication of germicidal irradiation at four dose levels: 10, 50, 75 and 100 mJ/cm<sup>2</sup>.** Using a patented photochromic ink, the Dots react to exposure from UV-C devices at 260-280 nm and change color to indicate the intensity of the dose delivered.

Conveniently sized at 1" diameter, the Dots have an adhesive backing for easy placement on a variety of surfaces. After exposure to UV-C, the accumulated dose can be determined using the Color Reference Chart included in each pouch. For best results, take exposure readings immediately after a disinfection cycle.

## UVC Dosimeters are an important tool to achieve optimal UV-C disinfection by enabling operators to:

- Determine the dose delivered at varying distances from the device
- Identify shadowed areas that may require device repositioning
- Optimize run-times for efficiencies in disinfection cycles
- Provide evidence of disinfection cycles for credentialing, auditing and data collection



**INTELLEGO**  
TECHNOLOGIES

UVC Dosimeters are  
manufactured by Intellego  
Technologies AB, Sweden

# UVC LED DOTS

Designed for use with UV-C LED devices

## Understanding Dose & Pathogen Inactivation

To achieve successful UV-C disinfection, it is critical to identify how much germicidal irradiation is delivered to a surface. There are no known pathogens that are resistant to UV-C, but inactivation is dependent on the amount of UVGI delivered.

Studies have shown that a dose of 22 mJ/cm<sup>2</sup> can achieve a 99.999% reduction of SARS-CoV-2, and doses of 10 mJ/cm<sup>2</sup> and 46 mJ/cm<sup>2</sup> have been correlated to a 99.9% reduction of MRSA and C. Difficile, respectively. UVC Dosimeters provide simple, visible evidence so you can see if your disinfection cycle is successful.

A compilation of studies showing UV doses required for inactivation of bacteria, viruses, spores and fungi is available at [iuva.org/Guidance-Documents](http://iuva.org/Guidance-Documents).

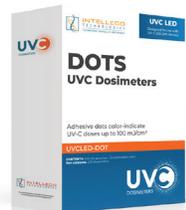
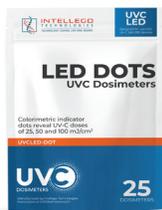
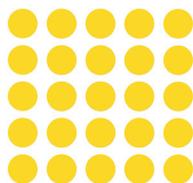
- For use with 260-280 nm devices (UV-C LED)
- Provides visible evidence of UVGI at 10, 50, 75 and 100 mJ/cm<sup>2</sup>
- Recommended for use with every disinfection cycle
- Ideal for staff training, validating performance, and comparison of different UV-C devices
- Low-cost, easy-to-use
- Clinically proven accuracy and reliability
- 3-year shelf life
- Designed and manufactured in Sweden

According to a 2021 study published in Infection Control & Hospital Epidemiology, the researchers concluded:

*“There is a need for practical tools for monitoring doses delivered by UV-C devices. Our results suggest that colorimetric indicators could be useful tools to compare different devices, assess delivery of UV-C to different sites in patient rooms and confirm that in-use devices are operating correctly.”*

## Order Information

To learn more or request pricing, visit [UVCdosimeters.com](http://UVCdosimeters.com) or email [info@intellego-technologies.com](mailto:info@intellego-technologies.com)



UVC LED DOTS

### Product SKU Packaging

UVCLED-DOTS	25 Dosimeters + 1 Color Reference Chart per Pouch
	10 Pouches per Box



For more information, including links to scientific studies and reports cited in this document, please scan the QR code.

UVC Dosimeters are designed to provide a visual indication of applied UV-C energy during a disinfection cycle and are not a substitute for microbiological verification of disinfection. Store at room temperature and away from direct sunlight. **Do not reuse.**

