UWAVE
UV LED & OPTICAL | SMART SOLUTIONS

UCUBE-15

Made In France

CE

RoHS

REACH COMPLIANT

Homogeneous & Powerful
15 x 15 cm UV Curing Flood

Plug & Play

UV LED technology

Different references:
size, power level, optics

Irradiance up to
2100 mW/cm²

Light homogeneity
level >85 %

UV-C / UV-B / UV-A

PRODUCT DESCRIPTION

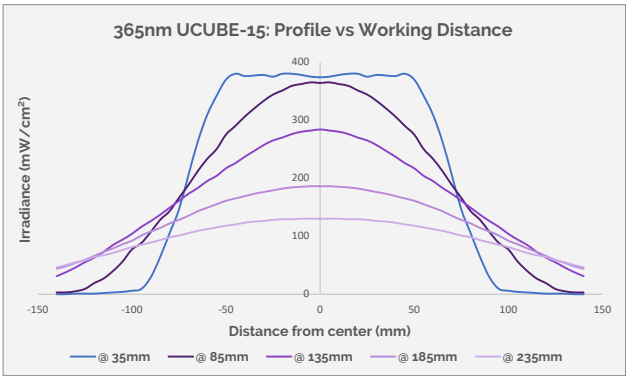
UCUBE-15 is a compact and powerful UV with surface lighting solution, designed for repeatable UV irradiation processes.

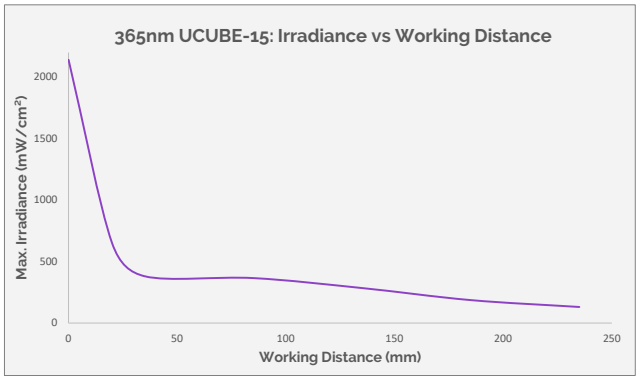
With its seamless integration into production lines, or any modulable product such as the **UV CHAMBER**, which offers a simple and secure user experience.

UCUBE range includes other products with different dimensions and irradiance levels offering more choices according to the UV application.
In addition to its efficient air-cooling system, it also provides the option for water cooling.

OPTICAL SPECIFICATIONS

UCUBE-15 features an optical LED window measuring 15 cm x 15 cm for a significant surface area. It comprises 64 high-quality LEDs, enabling an improved ultraviolet flux at various wavelengths, including: UV-C, UV-B, and UV-A (other UV, visible or infrared wavelengths being available on request).



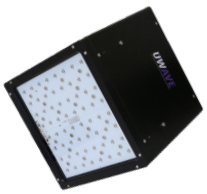


COLLIMATED OPTION

The standard version of **UCUBE-15** has a dispersive UV illumination but an optional collimated beam can be integrated to keep at least 85% of the global irradiance at 10cm working distance.

WITHOUT OPTICAL SYSTEM

1 **Dispersive beam**



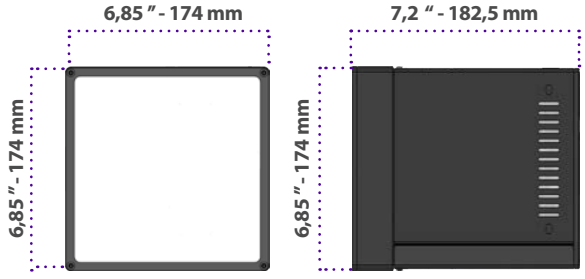
WITH OPTICAL SYSTEM

2 **Collimated beam**

APPLICATIONS

- Polymerization processes such as assembly, fixing or encapsulation of components in various industry sectors.
- Semi-automated & safe UV curing applications: inks, glues, varnishes and resins.
- Research & Development experiments using UV light in chemical, material, and biological laboratories.

DIMENSIONS



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To learn more about our UV curing solutions please visit www.uwave-uv.com

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