



High-Power & Uniform 10 x 10 cm UV Curing Flood



Plug & Play



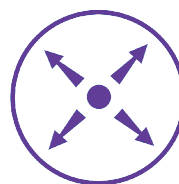
UV LED technology



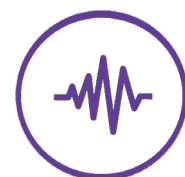
Different references:
size, power level, optics



Irradiance up to
2100 mW/cm²



Light homogeneity
level >85 %



UV-C / UV-B / UV-A

PRODUCT DESCRIPTION

UCUBE-10-HP is a compact and powerful UV with surface lighting solution, designed for repeatable UV irradiation processes.

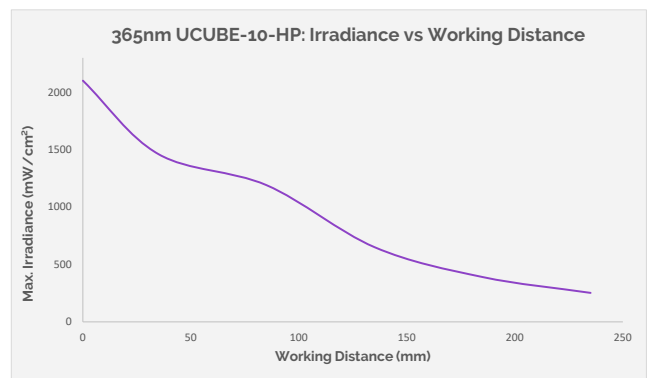
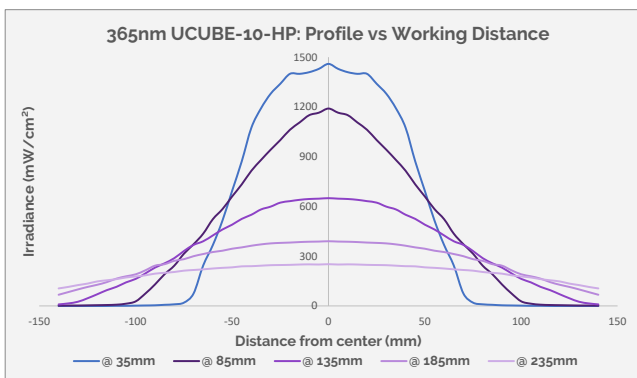
With its seamless integration into production lines, or any modulable product such as the **UV CHAMBER**, which offers a simple and secure user experience.

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-10-HP features an optical LED window measuring 10 cm x 10 cm for high-power demanding applications. It comprises 100 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-10-HP** 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

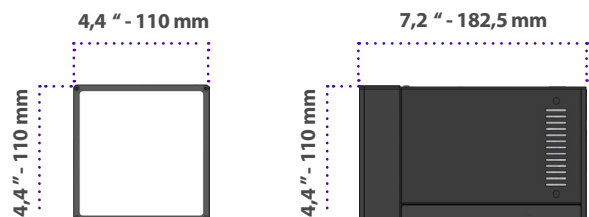
- 2 Collimated beam



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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