

# LED CUBE 100 IC | LED CUBE 350 IC



## LED-UV CURING CHAMBERS

## FEATURES

- Irradiation intensity up to 5.000 mW/cm<sup>2</sup>
- Wavelengths: 365, 385, 395, 405 and 460 nm
- usable irradiation space approx. 350 x 350 x 320 mm resp. approx. 180 x 180 x 180 mm (HxWxD)
- Intelligent linking of door and LEDs

## BENEFITS

- Homogenous irradiation
- Suitable for temperature sensitive materials
- No warm-up or stand-by time
- Lamp units with different wavelengths easily exchangeable

## LED CUBE 100 IC | LED CUBE 350 IC

The LED Cube IC is a LED-UV irradiation chamber for use in the laboratory or for manual production

### YOUR BENEFIT

- Flexible for a wide range of applications: the emission spectrum and irradiation intensity can be customized by using different LED-UV units
- High-intensity and homogenous light distribution inside the chamber: special arrangement of LEDs, electronic power control, reflective inner wall structure and optimized reflectors of curing device
- Process reliability: LED failure detection and extensive monitoring functions

### OPERATIONAL SAFETY

The safety system of the LED Cube IC reliably protects the operating personnel from UV radiation. The door and LEDs are logically linked: if the door is opened during operation, the LEDs switch off immediately.

### FACTS & FIGURES

Type	LED Cube 100 IC					LED Cube 350 IC				
Usable Irradiation Space (HxWxD)	approx. 180 x 180 x 180 mm					approx. 320 x 350 x 350 mm				
Wavelengths in nm typ. intensity in mW/cm <sup>2</sup> LED Spot 100 HP IC LED Spot 100 IC LED Spot 200 HP IC	365 2.200* 1.100*	385 3.000* 1.500*	395 3.500* 1.700*	405 4.000* 2.000*	460 5.000** 2.500**	365 2.200*	385 3.000*	395 3.500*	405 4.000*	460 5.000**
Cooling	air cooling (suitable for continuous operation)									
Supply LED powerdrive IC	115 – 230 V, 50 – 60 Hz									
Electrical LED-power adjustable	from 10% to 100% in 1%-steps									
Timer setting range (in seconds)	sequential from 0,01 to 9999 Sec., suitable for continuous operation									
Input current max.	5,0 A									

\* measured with Hoenle LED area sensor for UV-Meter, distance 0 mm

\*\* measured with Hoenle VIS area sensor for UV-Meter, distance 0 mm

### HIGH PROCESS SECURITY

The LED Cube IC is supplied and controlled via the LED power-drive IC controller.

- Plug&Play solution
- Automatic detection of the connected LED Spot
- The display shows at one glance: operating status, temperature of LEDs, irradiation time
- Exposure can be triggered via the touch keypad or via the foot switch
- Recording of the operation hours of LED device and control unit
- Further information and settings in the service menu

### ADVANTAGES OF LED TECHNOLOGY

- Low maintenance thanks to a typical service life of more than 20.000 hours
- No warm-up time, immediately ready for use
- No IR radiation and only minimal temperature load for temperature-sensitive materials

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