

# LED ARRAY

Customized radiation for your application

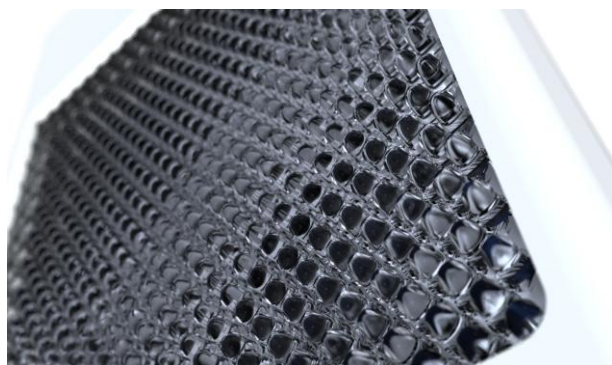
## Features

The maximum intensity and wavelength of the radiation is determined by the number and type of LEDs used for each individual sector.

The spectrum of the radiation generated depends on the light diodes used. Under the current state of the art, LEDs can generate radiation covering a spectral range from 255 to 1550 nm.

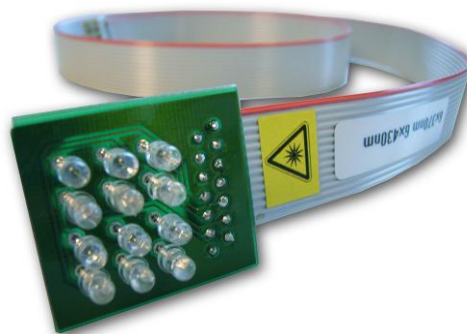
## UV LED Array 96 / 672

The LEDs or LED groups in each module are designed to enable different combinations of LEDs to be selected for the sector to be radiated.



## UV LED Array 12

The array is connected to the control unit by a flat ribbon cable.



### Mechanical Data

Dimensions (L x W x H)  
 Control Module ..... 120 x 65 x 40 mm  
 Array ..... 29 x 20 x 15 mm

### Optical Data

Number of LEDs ..... 12  
 Separately controllable LEDs ..... 12  
 Min. sector size (L x W) ..... 4 x 4 mm  
 Controllable stages (intensity) ..... 100

### Electrical Data

Power supply ..... supply via USB (5V / 0.5A)  
 Interface ..... USB

### Mechanical Data

Dimensions (L x W x H)..... 190 x 110 x 70 mm  
 Dimensions LED area 672 (L x W) ..... 105 x 97 mm  
 Dimensions LED area 96 (L x W) ..... 109 x 74 mm

### Optical Data

Number of LEDs ..... 96 / 672  
 Separately controllable sectors..... 12  
 Min. sector size 672 (L x W) ..... 31,7 x 25,5 mm  
 Controllable stages (intensity) ..... 100

### Electrical Data

Power supply .....ext. power unit 48 V DC / 0.65 A  
 Interface ..... USB

### Example LED configurations

Wavelength	Optical Output	Shape
255 nm	101-150 µW, 20 mA	Flat window Ø 5mm
265 nm	201-350 µW, 20 mA	Flat window Ø 5mm
280 nm	551-650 µW, 20 mA	Flat window Ø 5mm
310 nm	301-525 µW, 20 mA	Flat Window Ø 5mm
340 nm	201-350 µW, 20 mA	Flat window Ø 5mm
360 nm	1.2-1.8 mW, 20 mA, 15°	5mm clear UV resistant epoxy
370 nm	3.0 mW, 20 mA, 15°	5mm clear UV resistant epoxy
385 nm	3-5 mW, 20 mA, 30°	5mm clear epoxy
405 nm	10 mW, 20 mA, ±9°	5mm clear epoxy
470 nm	7-9 mW, 20mA, 20°	5mm clear epoxy

\*Other LEDs on request.

Customized LED-Array configuration on request.

11/10/17