LEDZero 395

INTEGRATION
TECHNOLOGY

Miniature High Output UV LED Arrays

Designed specifically for inkjet curing applications, the reduced footprint and ultra light weight of the LEDZero allows for the creation of miniature UV inkjet systems that have, until now, not been possible. With standard array widths of 20mm, 60mm and 80mm the LEDZero is perfectly matched to modern print head configurations. The advanced liquid cooling system allows a compact LED array that can easily fit between print heads for “pinning” without thermal cross interference. The market leading high intensity output gives effective curing and allows greater flexibility in the ink formulation.

LEDZero can be used in either static or moving printhead applications. In addition to standard modules, a comprehensive engineering service is available to inkjet OEM clients to configure UV LED arrays precisely to individual machine requirements. The options allow the customer to build a system representing the cutting edge of UV technology.

LEDZero Standard Features

- Light weight ultra compact ‘footprint’ to fit between printheads
- High intensity output 2.5W/cm sq.
- Instant on / off
- Low power consumption
- Long service life > 20,000 hours
- Consistent UV output – no degradation over life
- Uniform radiation
- No radiated heat output
- Liquid cooled for improved output & versatility
- Easily replaceable quartz front plate
- Infinitely variable output

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LEDZero Range

Spectral Output: 395

Model	Power	Array Width
LEDZero 395/020H	2.5 W/cm sq.	20mm (1.0”)
LEDZero 395/060H	2.5 W/cm sq.	60mm (2.2”)
LEDZero 395/080H	2.5 W/cm sq.	80mm (3.3”)

LEDZero Options

- Single bar long arrays (up to 600mm)
- Electronic power supply
- Thermostatically controlled heat exchanger and all necessary interconnection pipework

LEDZero Compliances

IEC/EN60825-1 (2001)
CE EN 60204
EMC EN 55015
EMC EN 61000

Power Supply

100/110V 50 / 60Hz
204/230V 50 / 60Hz
Other power supply specifications available on request

Form ref: 60202

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