



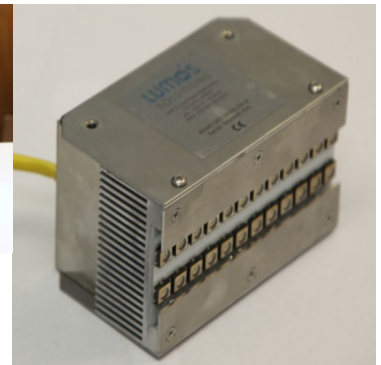
Rubicon Centre, CIT Campus, Rossa Avenue, Bishopstown, Cork, Ireland
Tel: +353 21 731 9633 Fax: +353 1 526 2465 Mob: +353 85 782 2047

CoolUV™ Array 365nm, 385nm, 405nm

Air-Cooled Modular Replacement for Mercury Discharge Lamps

Features:

- Single Wavelength UV Output
- Little Radiated Heat
- Degradation @ 10% per 10K Hrs
- Instant On/Off
- Manual and/or Electronic Control
- Impact Resistant
- Mercury/Ozone Free
- Modular Configuration



Introducing CoolUV from Lumos Solutions. Single Wavelength UV LED's, greatly reduces process heating. Each module provides the equivalent luminous flux as a 500W Lamp in designed applications where LED's can be brought close to the process material. Requiring just 10% of the power, and lasting >10 times longer than a standard "H" Mercury Discharge or Fluorescent Lamp.

Our modular design enables you to build the solution you require and as your needs change, our lighting solutions will be there to support you.

Provided with a 1 year guarantee, Lumos Solutions CoolUV lives up to its name with a maximum operating condition of just 35°C (15°C over ambient). Low Temperature operation ensure the longest possible lifetime of your device.

Applications:

- IC Encapsulation
- UV Curing
- Fluorescence Spectroscopy
- Surface Inspection and Discrimination
- Ink Drying

CoolUV™ Array



Specifications:

| | Condition | Min | Typ | Max | Unit |
|-----------------------|-------------------------|-----|---------------|------|--------------------|
| Irradiance | 12mm from Material | | 250 | | mW/cm ² |
| Irradiance Control | Manual or USB | | 0 – 100% | | |
| Wavelength | T=35°C | | 365, 385, 405 | | nm |
| Spectrum Half Width | | | 9 | | nm |
| Degradation | 10,000hrs | | @10% | | |
| Forward Voltage | | | 24 | | V |
| Maximum Current | CW | | 500 | 700 | mA |
| | Pulsed (Duty Cycle 10%) | | | 1000 | mA |
| Switching Time | | | | 1 | ms |
| Power Consumption | Integrated Cooling | | 60 | | W |
| Active Area Dimension | L x W | 100 | 35 | | mm |
| Module Dimension | L x W x H | 100 | 60 | 50 | |
| Connector | Ethernet or D-type | | | | |

*Cooling Included

