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CoolUV™ Linear 365nm, 385nm, 405nm

UV LED Solution for Linear Curing Applications

Special Features

- Light weight ultra compact 'footprint'
- Degradation @ 10% per 10K hrs.
- Consistent UV output
- Little radiated heat output
- Easily replaceable air filter
- Integrated air cooling
- Available in either static or moving printhead applications
- Low power consumption
- Uniform radiation
- USB or Manual Control Option



Designed specifically for inkjet pinning and also used for Glue Curing, CoolUV™ Linear delivers a low dose of UV LED light to a substrate to initiate adhesion of the ink while preventing dispersion, and thermal damage to the substrate.

The compact footprint and the ultra light weight of CoolUV™ Linear easily fit between standard ink-jet heads, and is perfectly matched to modern print head configurations.

Featuring microsecond control, instant on/off, high intensity and multi-wavelength output allows greater flexibility in ink and substrate formulation. Standard configurations are available in 365nm, 385nm, and comprehensive engineering service is available to OEM clients to configure the UV LED technology precisely to individual application requirements.

CoolUV™ Linear can be used in both static and movable print heads. Offered in a standard length of 80mm, other lengths now available are 120mm.

Lights are modular and may be stacked together.

Applications:

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

CoolUV™ Linear



Specifications:

	Condition	Min	Typ	Max	Unit
Irradiance (Ver 1)	Wide angle option		350	450	mW/cm ²
Irradiance (Ver 2)	Focused option		750	1000	mW/cm ²
Irradiance Control	Manual or USB		0 – 100%		
Wavelength	T=35°C		365, 385, 405	370	nm
Spectrum Half Width			9		nm
Degradation	10K Hours		@ 10%		
Forward Voltage			12		V
Maximum Current	CW		500	700	mA
	Pulsed (Duty Cycle 10%)			1000	mA
Switching Time				1	ms
Power Consumption	Inc. Cooling		30/60		W
Dimensions	Anodized		80 / 120		mm
Connector	9pin D-Type				

