



## UV LED Light Sources

# G5AN

### G5AN Technical Data Sheet

- Works with non-LED compatible UV curable inks and curing speed is up to 5 times faster with the use of nitrogen.  
50m/min curing speed with non-LED compatible UV curable ink (Kyocera test result)
- Space saving design by integrating nitrogen purging unit onto G5A UV LED Light requiring no major change to the system.



G5AN

Model		G5AN		
Specs	Cooling method	Air-cooling		
	UV Wavelength	365 ± 5nm	385 ± 5nm	395 ± 5nm
	Dimensions (Connectors excluded)	W 80.3mm × D 109.7mm × H 161.2mm		
	Weight	1.3kg		
	Power consumption	0.56kW		
	Interlock	"Temp error", "Current error", "Fan error"		
	Dimming voltage	1V(10%)-10V(100%)		
	Recommended nitrogen purity*1	Higher than 99.9%		
	Environment temperature/humidity	Operating	0-40° C/ 30-85 % (without bedewing or freezing)	
Storing		0-50° C/ 30-85 % (without bedewing or freezing)		
Features	UV irradiation width	80mm		
	Peak irradiance *2 *4	WD=0mm	16W/cm <sup>2</sup>	24W/cm <sup>2</sup>
		WD=10mm	6W/cm <sup>2</sup>	8W/cm <sup>2</sup>
	Dose *2 *3 *4	200mJ/cm <sup>2</sup>	270mJ/cm <sup>2</sup>	
	Estimated life expectancy	15,000 hrs (70% compared to initial peak irradiance)		

\*1 May vary by the UV ink used and printing conditions

\*2 Ultraviolet irradiance meter : UIT- θ LED (USHIO)

\*3 Transport speed: 50m/min

\*4 Peak irradiance and Dose values measured just after the LED light is dimmed.

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\*All the data in this data sheet is based on Kyocera's own research unless otherwise noted.

\*The information contained in this data sheet is current as of September 2021.

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