

LIGHT ENGINE VIOLET UVC 281mm x 19.2mm 840mW

Issue Date	Feb, 2021
Issued by	Malassise, V.

Applications

- Medical sterilization
- Drinking water disinfection
- Infectious disease control
- Food processing sterilization
- Air sterilization

Characteristics

- UV Type - UVC
- Wavelength – 260-270nm
- Efficacy - up to 2.1%
- L70 > 20,000h
- 05 years warranty



KLARAN
CONFIDENT

DRIVING CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE VIOLET UVC 281mm x 19.2mm 642mW	1,000 mA	1,200 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (temperature at Tc point)	40 °C	60 °C

PRODUCT PART NUMBER

80338600100
UVC – 260-270 nm

TECHNICAL INFORMATION

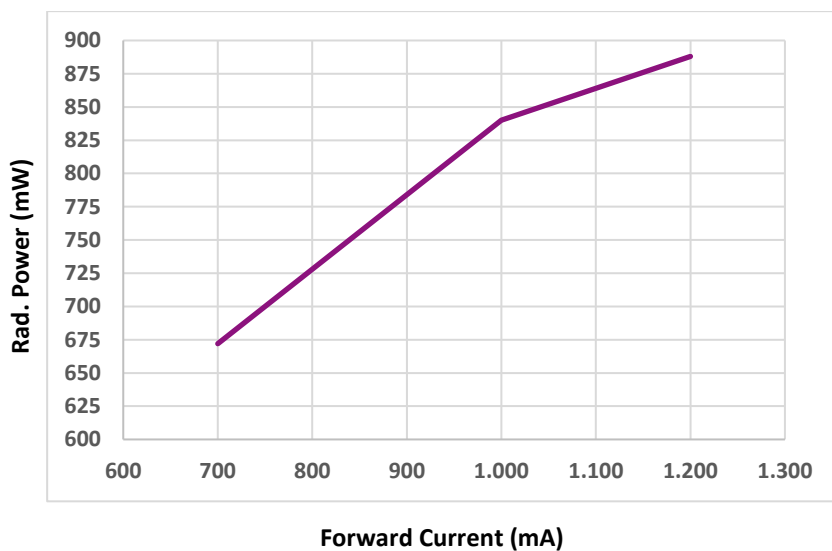
UV Type	Wavelength (nm)	#LEDs	Forward Current (mA)	Rad. Power (mW)	Forward Voltage (V)	Power (W)	Ts (°C)	EFF (%)
UVC	275	12	700	672	45.6	31.9	40	2.1
			1,000	840	48.0	48.0	40	1.8
			1,200	888	54.0	64.8	40	1.4

LED TYPE

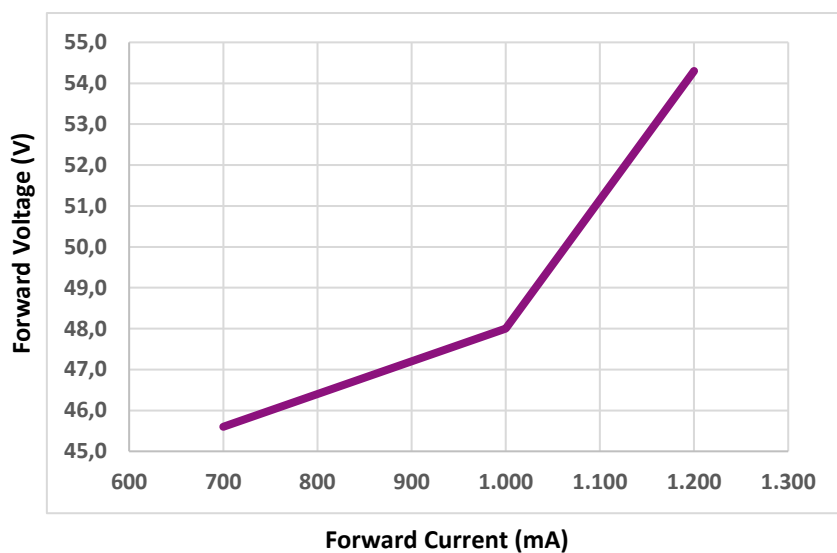
Manufacturer: Crystal IS, Klaran

LED Series: KL265

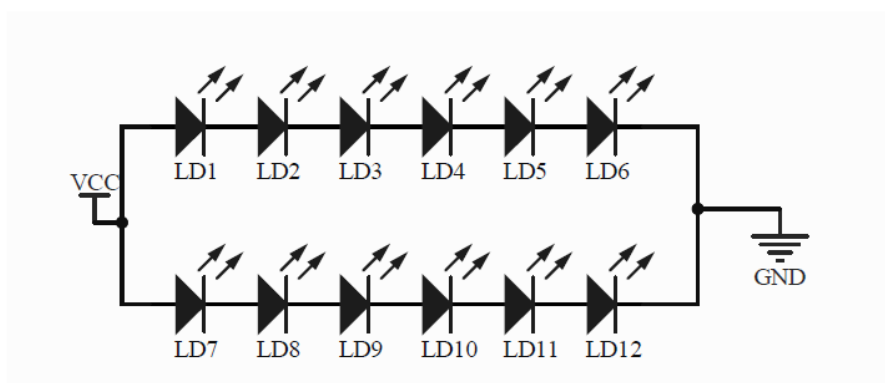
Rad. Power (mW) x Forward Current (mA) (Tj 75°C)



Forward Voltage (V) x Forward Current (mA) (Tj 75°C)

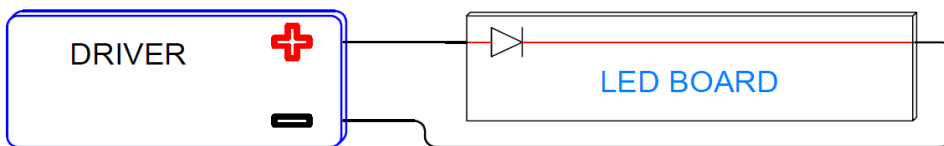


SCHEMATICS



Unit: mm

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.75 18...24	mm ² AWG	Solid wire
Input wire strip length	7.5...8.5	mm	Solid wire
Input wire cross-section	0.33...0.5 20...22	mm ² AWG	Stranded wire
Input wire strip length	7.5...8.5	mm	Stranded wire



Manufacturer	Part Number	Color	Beam
LEDiL	FN17294_VIOLET-12X1-S	Clear	~20°



