

LIGHT ENGINE UVC VIOLETTA 2X2 4 LEDS 80x80mm 280mW

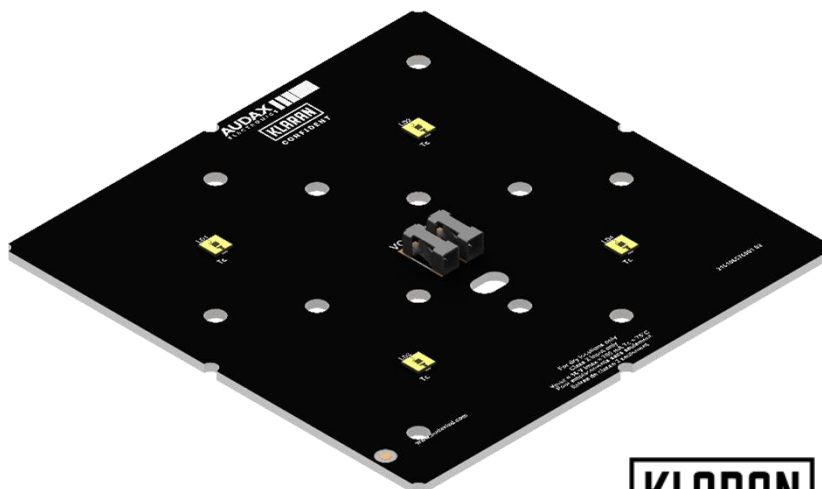
Issue Date	August 2021
Issued by	Conrad, C.

Applications

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

Characteristics

- UV Type - UVC
- Wavelength – 275nm
- Efficacy - up to 2.0%
- 05 years warranty



DRIVING CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE UVC VIOLETTA 2X2 4 LEDS 80x80mm 280mW	500 mA	600 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80397500100
UVC – 260-270nm

TECHNICAL INFORMATION

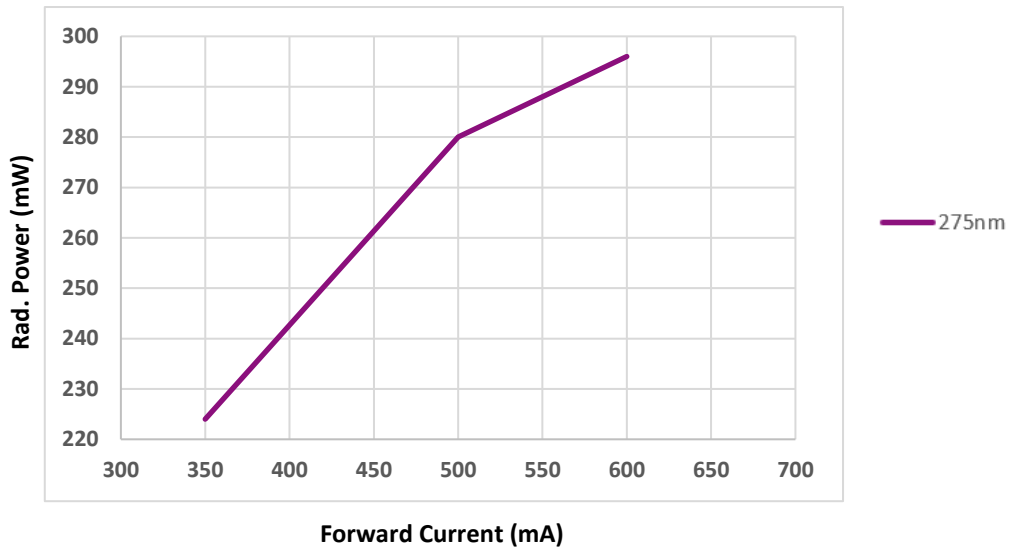
UV Type	Wavelength (nm)	#LEDs	Forward Current (mA)	Rad. Power (mW)	Forward Voltage (V)	Power (W)	Ts (°C)	EFF (%)
UVC	260-270	4	350	224.0	30.0	10.4	40	2.0
			500	280.0	32.0	16.0	40	1.8
			600	296.0	36.0	21.6	40	1.4

LED TYPE

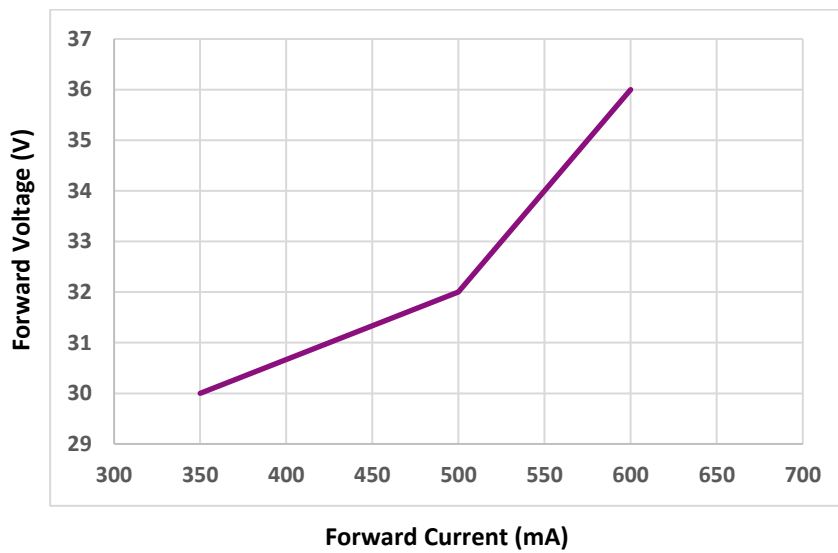
Manufacturer: Klaran

LED Series: KL265

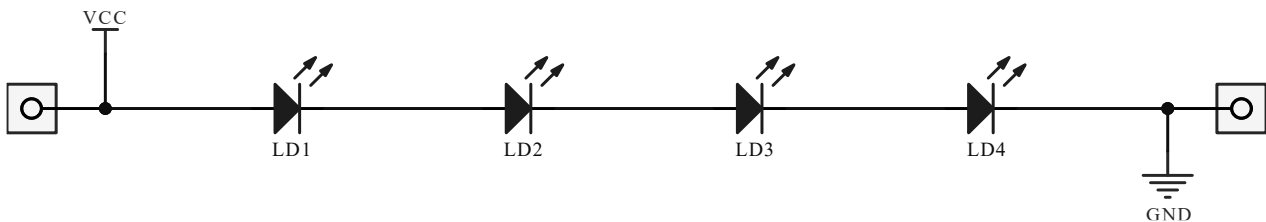
Rad. Power (mW) x Forward Current (mA) (Ts 40°C)



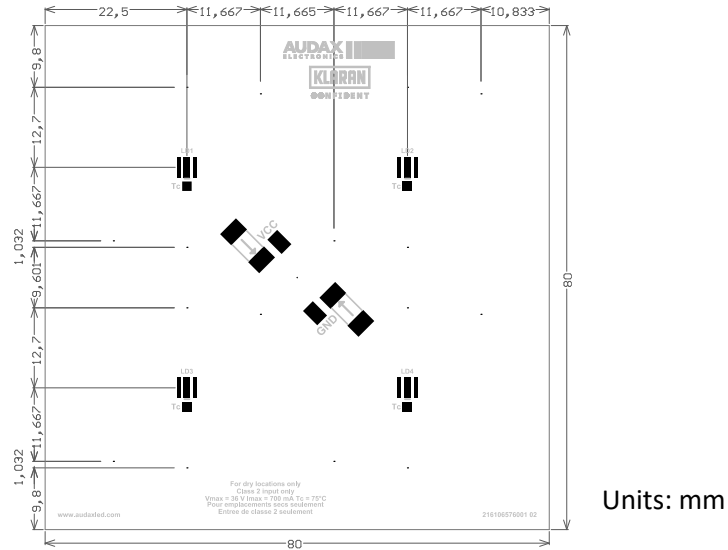
Forward Voltage (V) x Forward Current (mA) (Ts 40°C)



SCHEMATICS

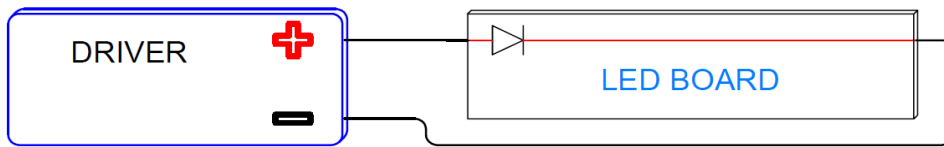


MECHANICAL DRAWING



WIRING

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



COMPATIBLE OPTICS

Manufacturer	Part Number	Color	Beam
LEDiL	F17822_VIOLETTA-SC	Clear	~15°
LEDiL	F17826_VIOLETTA-W	Clear	~60°

FIXING METHOD

Manufacturer	Part Number	Color
LEDiL	F18002_VIOLETTA-FRAME	Natural

