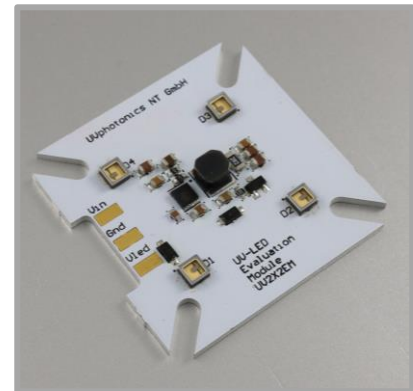


## 4-LED-module on metal-core PCBs with driver circuit

UVphotronics provides UV LED chips integrated into a 4-LED-module on PCB with driver circuit. These array modules can easily be integrated into complete irradiation systems.

### Features & Benefits:

- UV LED wavelengths available from 230 nm – 330 nm.
- Driver circuit allows operation at a fixed current of 100 mA or 350 mA using standard voltage source.
- Direct operation of the LEDs at variable currents using a constant current source.
- LEDs mounted on metal-core PCB for optimized thermal management.
- Compatible with standard heat sinks for efficient and cost-effective thermal management of system.
- Modular segments can be integrated into 1-dimensional as well as 2-dimensional arrays.



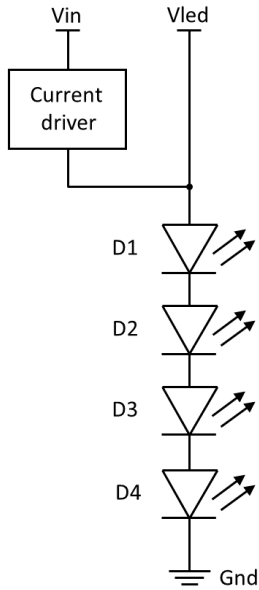
### Applications:

- Sterilization & Disinfection needs: Healthcare clinics, food processing facilities, laboratories, air Conditioning Systems, personal articles ...
- UV curing of materials
- Security inspection (banknote identification)
- Germ detection
- Plant growth lighting
- Sensing applications
- Laboratory/Research

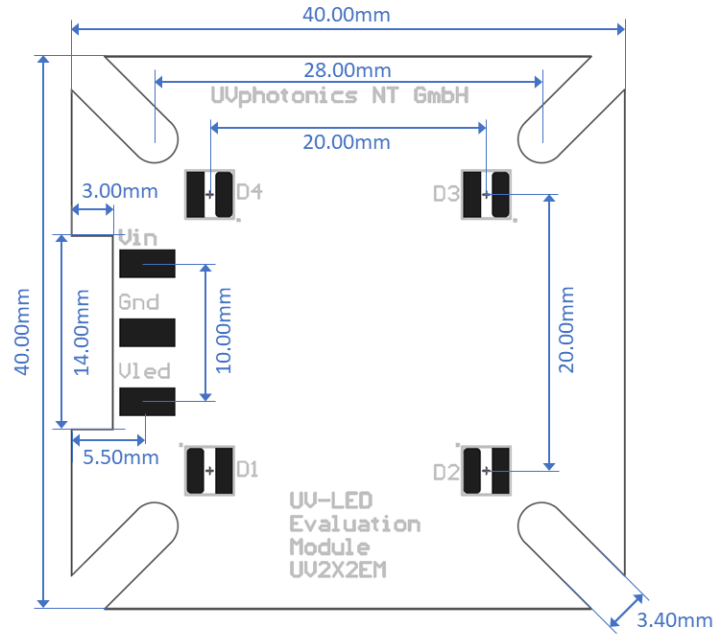
### General specifications:

<b>Available wavelengths</b>	230 nm – 330 nm
<b>Outer dimensions (W x L)</b>	40 mm x 40 mm
<b>Fixed operation current mode</b>	Required source: Voltage source (max. 70 V)
	Connection: $V_{in} - Gnd$
<b>Variable operation current mode</b>	Required source: Constant current source
	Connection: $V_{LED} - Gnd$
<b>Thermal management</b>	Compatible with standard heat sinks

**Circuit diagram:**



**Mechanical dimensions:**



More information at [www.uvphotronics.de](http://www.uvphotronics.de) or contact us at [info@uvphotronics.de](mailto:info@uvphotronics.de).