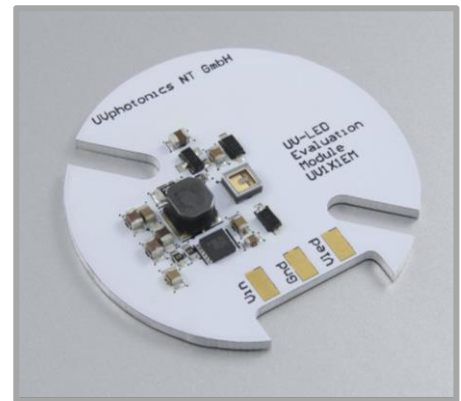


LED-module on metal-core PCBs with driver circuit

UVphotronics provides UV LED chips integrated into an 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.
- LED mounted on metal-core PCB for optimized thermal management.
- Compatible with standard heat sinks for efficient and cost-effective thermal management of system.



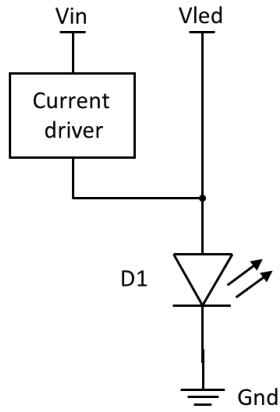
Applications:

- 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

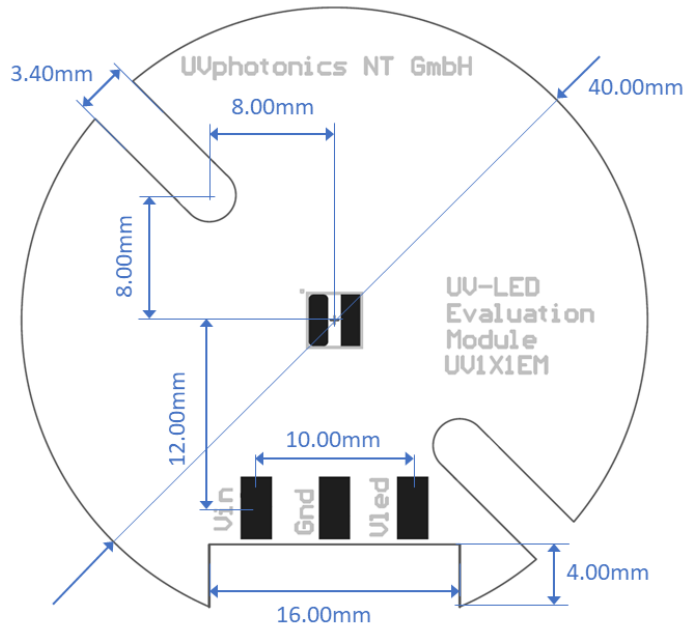
General specifications:

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

Circuit diagram:



Mechanical dimensions:



More information at www.uvphotronics.de or contact us at info@uvphotronics.de.