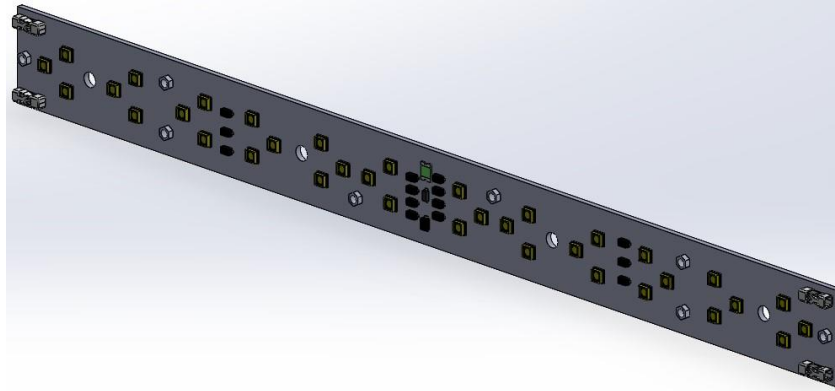




Product Description

PL-LUVC+A1 is an UVC linear module used in the industrial and medical field for sterilization and purification. The 24VDC input would work with many standard LED drivers. PL-LUVC+A1 emits UVC and UVA (optional) that are able to be used in UV sterilizers, UV curing devices, and germicidal lamps, etc.

Features

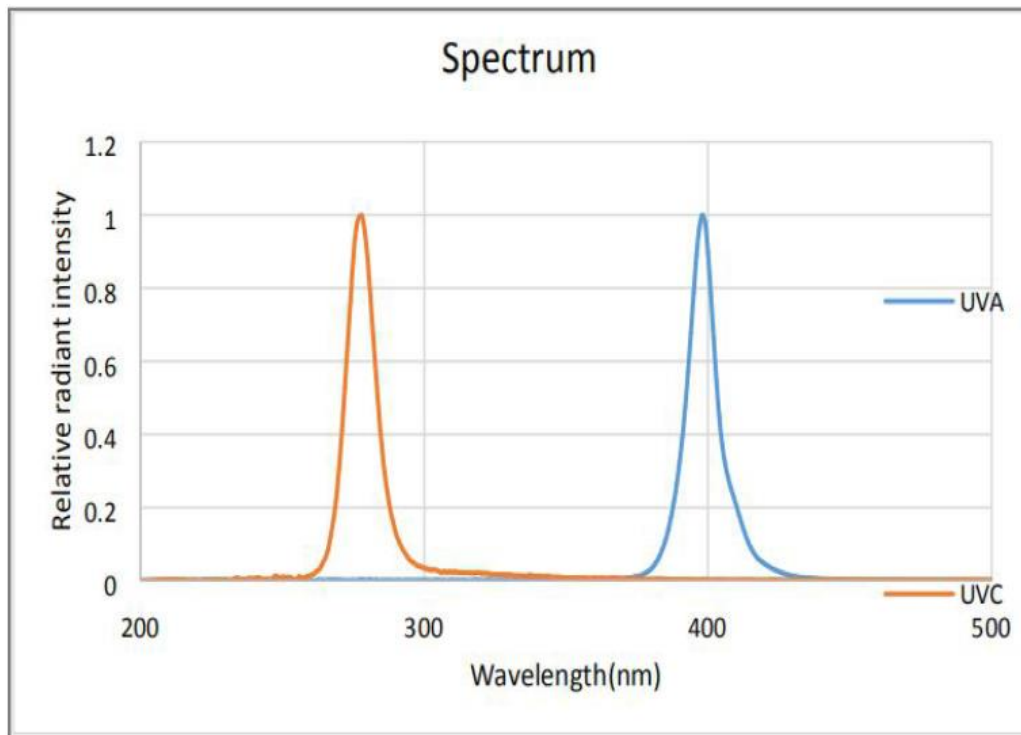
- 120-degree view angle
- RoHS compliant
- Over-temperature protection
- Over-voltage protection
- Option to add UVA (390-410 nm)

Application

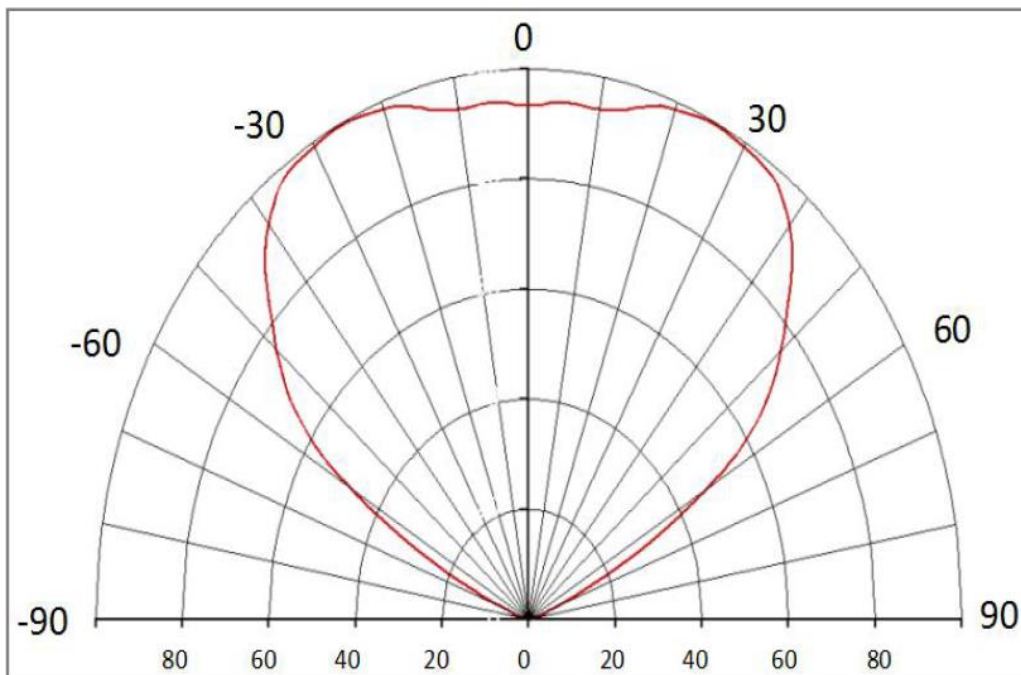
- Air and Water Purification
- Disinfection/Sterilization
- Medical Treatment and Personal Care
- Curing
- Bio-analysis/detection

Characteristics

Characteristics		Unit	Min	Typical	Max
Dimension (L x W)		inch		11.25 x 1	
Thickness		inch		0.183	
Beam Angle		degree		120	
UVC	Wavelength	nm	270		285
	Input Power	W		8.6	
	Radiant Flux	mW		108	
UVA (optional)	Wavelength	nm	390		410
	Input Power	W		1.4	
	Radiant Flux	mW		360	
Input Voltage		V (DC)		24	
Wire Gauge for Connection (Solid/Stranded)		AWG	18		22
Operating Temperature		°C	-30		60
Storage Temperature		°C	-30		40

Relative Spectrum Power Distribution

Typical Viewing Angle = 120°



Handling and Design Precautions

1. Do not directly touch the LED lens surface
2. Do not place objects on top of the LED
3. This product is sensitive to static electricity or surge voltage. When handling this product, it is strongly recommended to take the following anti-static measures:
 - a. Using a conductive wire electrostatic bracelet
 - b. Wearing anti-static shoes
 - c. Placing the product on a static-safe worksurface
 - d. Packing the product with anti-static materials
4. This product requires heat sink or cooling system
5. UV radiation can be harmful to eyes and skin. Wearing proper PPE (personal protective equipment) when test the UV radiation

