

# Far UV-C Proximity Exposure Module



Silanna introduces the Far UV-C Proximity Exposure Module paving the way for innovative disinfection applications. Emitting light in the 235nm range, this groundbreaking wavelength provides an effective means to disinfect air, water, and surfaces.

The module is an integrated plug-and-play solution, with LED power supply and active cooling for optimal performance. Equipped with a window to prevent contaminants while ensuring exceptional light uniformity across 50x50mm of exposure area. The 235nm radiation has the potential to damage the DNA and RNA of viruses and pathogens while causing less harm to human skin and eyes compared to traditional ultraviolet sources.

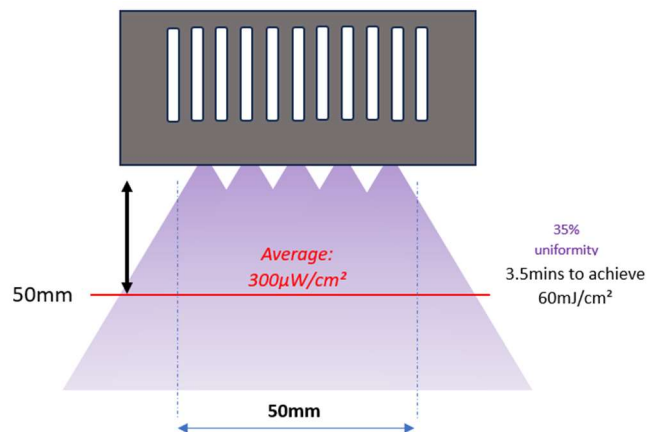


## Features:

- Plug and Play module ready for action.
- Highly flexible mounting options.
- Active cooling to maximise device efficiency.
- Utilizes 25 of Silanna’s 235nm 30° Parabolic Lens (SF1-3U8P3L1-TR) packages. Five strings in parallel. Each string has 5 LEDs in series.
- Separate LED driver board for a stable constant current source.
- Optical output level indicator for verification.
- Dimension<sup>^</sup>: 90mm(L) x 90mm(W) x 60mm(H)  
<sup>^</sup>without mounting
- Compatible with Silanna’s products such as
  - 235nm Flat window (SF1-3C3FWL1-TR)
  - 235nm 30° Parabolic Lens (SF1-3U8P3L1-TR)
  - 255nm Flat Window (SN3-5C3FWL1-TR)
  - 255nm 30° Parabolic Lens (SN3-5U8P3L1-TR)

## How to order:

Please contact sales at [Sales\\_UV@silanna.com](mailto:Sales_UV@silanna.com) to discuss the different variants available that would suit your application.



## Module Specification

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Peak Wavelength	$\lambda$	230	235	240	nm
Input Voltage	$V_{in}$	34	36	38	V
Steady state current	$I_{in}$	250	265	300	mA
Average Irradiance at 50mm	$I$		300		µW/cm <sup>2</sup>