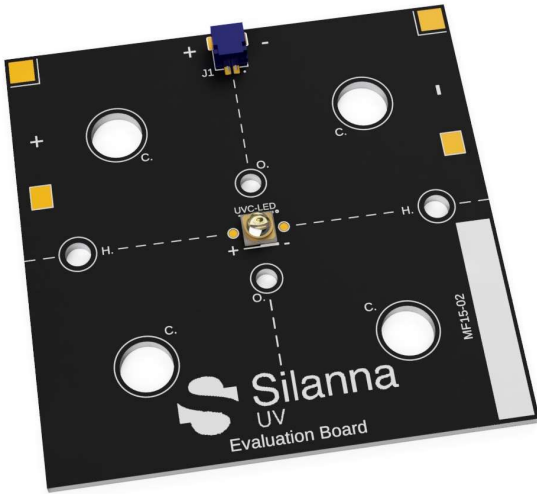


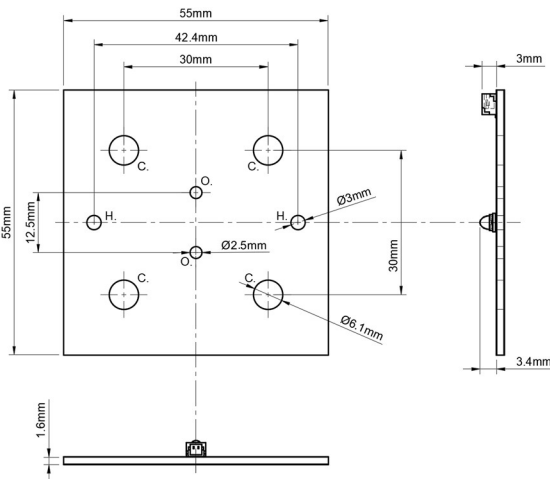
# LED Evaluation Board



SMF15 Silanna's Extended Evaluation Board with SF1 30D parabolic lens package

The Silanna Extended Evaluation Board is a larger alternative to the standard starboard. It is designed to house Silanna's UVC-LEDs, these allow for quick set-ups, so you can get to evaluating faster.

Power can be easily supplied through the JST header, or by soldering to the corner pads if preferred. Standard M3 screw holes allow for a heatsink to be mounted for efficient heat dissipation.



## Applications:

- Surface, air and water disinfection
- Chemical and biological analysis
- Water quality monitoring
- Gas sensing
- Liquid chromatography

## Features:

- 55x55mm aluminium core PCB for efficient heat dissipation.
- Low profile JST connector for powering it using a standard power supply.
- Provisions to attach thermocouples for measuring solder-point temperature.
- Holes designed to support:
  - 30mm optomechanical cage system (C)
  - M3 screws for heat sink attachment (H)
  - Secondary optic with 12.50mm legs (O)
- Designed to mount Silanna's LED such as
  - 235nm Flat window (SF1-3C3FWL1-TR)
  - 235nm 30D parabolic lens (SF1-3U8P3L1-TR)
  - 255nm Flat Window (SN3-5C3FWL1-TR)
  - 255nm 30D 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.

## Board Specification

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Forward Current	$I_F$	-	*	500	mA
Input Voltage	$V_{in}$	-	*	22	V

\* - Refer to Silanna LED Datasheet