

# ELECRO

## ENGINEERING

### ELECRO SPECTRUM

#### UV Pool System



#### Features

- Suitable for all pools up to 100,000-litres
- Improves water quality and clarity
- Destroys harmful chloramines
- Controls bacteria, micro organisms and pathogens
- Easily dismantled for maintenance / service
- Easy installation
- Robust, durable construction
- 2 x 55W Lamps (110W total output)
- 2 x 18W (36W total UV-C output)
- 'End of lamp life' indicator
- Low maintenance / running costs
- UV Lamps can be replaced without the need to drain the system
- Supplied with mounting brackets for easy wall fixing
- 2 years conditional warranty

#### Construction

The ELECRO SPECTRUM UV system is manufactured from top quality components and materials at the Elecro works in Hertfordshire, England.

Construction consists of a tough robust metal outer casing and UV/Impact resistant ABS which affords a top quality finish and extended life. The unit has built-in wall brackets for easy installation.



## Operation

The ELECRO SPECTRUM UV is designed for disinfection of residential pool and spa water, providing cost effective treatment and improved water quality. The system utilises high output, low pressure UV lamps powered by electronic ballasts which are housed within the enclosure. The water is routed through a narrow diameter and long flow path, ensuring close and extended UV contact. This design also ensures that the Quartz Sleeves are continuously rinsed by the water flow, avoiding the typical encrustations which would affect UV sanitising performance.

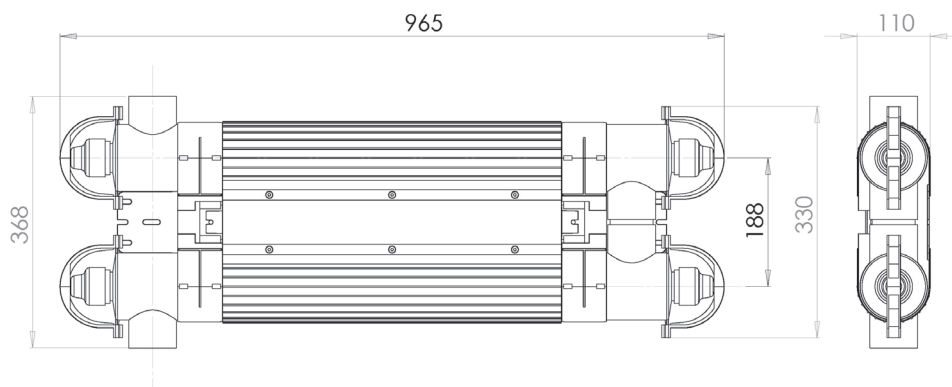
The unit also features an 'End of lamp life' indicator which flashes 'Red' when the UV Lamps are required to be changed. The inlet and outlet allow easy connection onto existing or new pipework systems. Suitable for flows rates of up to 36m<sup>3</sup>/h, the dose is sufficient for disinfection of the water providing complimentary protection against chlorine resistant organisms, as well as enhanced algae control.

UV treatment is compatible with all other sanitisers, including chlorine; bromine; active oxygen; peroxide; and copper based compounds, and allows for the levels of these to be significantly reduced. UV treatment introduces no by-products into the water, but also has no residual effect. Therefore a small background level of disinfectant should always be maintained.

## Specification & Models

<b>Voltage and frequency:</b>	120V ~ 240V 50/60Hz
<b>Maximum operating pressure:</b>	3 bar
<b>Lamp output:</b>	2 x 55W (110W total)
<b>UV-C Output:</b>	2 x 18W (36W total)
<b>Lamp pressure:</b>	Low
<b>Lamp life:</b>	8,000 hours
<b>Max flow rate:</b>	8,000 Imp gallons / 36,000-litres per hour
<b>IP Rating:</b>	IP64
<b>Maximum pool size:</b>	22,000 Imp gallons / 100,000 litres
<b>Water connections:</b>	2" BSP / 63mm stepped
<b>Approvals:</b>	CE approved

## Dimensions



[www.elecro.co.uk](http://www.elecro.co.uk)

**ELECRO**  
ENGINEERING

11 Gunnels Wood Park  
Stevenage  
Hertfordshire  
SG1 2BH  
United Kingdom  
t: +44 (0) 1438 749 474  
f: +44 (0) 1438 361 329  
e: [info@elecro.co.uk](mailto:info@elecro.co.uk)