

Apex Cure **Shield UVC** Sanitisation

Product Datasheet

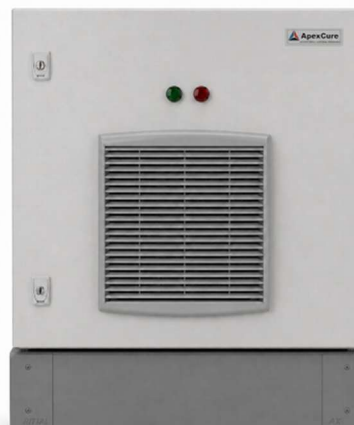
Product code: AC-LPA-WLT-AC-LLLL-CTL

Revision: R1.0

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Apex Cure **Shield UVC**, sanitisation system utilises powerfully efficient UVC lamps to kill over 99.99% of bacterial and viral spores on various surfaces. Designed from the ground up for maximum UVC efficiency, reliability and easy integration. The Shield UVC system can be integrated into a wide range of industrial sanitisation applications and processes.

Apex Cure leverages over 40 years of experience with UVC, harnessing powerful ZEMAX light array tracing software technology to enable the bespoke specification of ultra efficient, UVC technologies.



Specification

Parameter	Typical Values
Wavelength	253.7nm
Peak irradiance	0.6 W/cm ² at 20mm (UVC)
Energy dose	120 mJ/cm ² at 10m/min (UVC)
Emitting window	Up to 1656mm x 186 mm
Working distance	3mm to 30mm
Maximum power input	800W
Cooling	Air-cooled
Control	20–80% variable power, hardwire I/O with optional fieldbus control integrations on request to machine PLC's with Profibus / ProfiNET, Modbus RTU / TCP, CanOpen, Ethernet/IP, OPC-UA
HMI	Integrated to control cabinet or remote pendant
Ingress protection	Up to IP67 (Head). Cabinet IP43
Compliance	CE / UKCA (other approvals on application)

Key Features

- Efficient output for demanding applications.
- Various illumination widths to suit different process widths and machine layouts.
- Stainless Steel head construction for controlled environments.
- Variable cooling to ensure lamp run at the optimum temperature.

Typical Applications

Suitable for disinfection, sanitisation, surface cleaning and conveyor-based industrial processes where repeatability, stability and compact integration are important.

Mechanical Dimensions Head

Overall head length: Up to 1921mm

Head width: 200mm

Head height: 80mm

Mechanical Dimensions Cabinet

Cabinet Height: 600mm

Cabinet width: 600mm

Cabinet depth: 250mm

Ordering and Configuration

Product code: AC-LPA-WLT-WC-LLLL-CTL (example AC-LPA-395-WC-550-HIO)

Option	Description	Code
Wavelength	253.7 nm	WLT
Cooling type	Air cooled	-AC
Illumination Width	Maximum 1596mm	-LLLL
Interface	Manual Pendant (MP), Hard I/O (HIO), Fieldbus* (PRO, MOD, CAN, EIP, OPC), *Fieldbus will include HIO	-CTL

Notes: Performance values may vary depending on installation, operating conditions and application setup. Confirm final technical suitability, utilities and compliance requirements for the intended use before order placement.