

ApexCure **Titan** Aircooled LED

Product Datasheet

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

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The Apex cure **Titan** Air cooled LED is a low powered air-cooled LED system designed to support reliable performance, efficient integration and consistent operation in demanding engineering environments. This datasheet provides a clear summary of the product's key specifications, features, configuration options and application guidance.



Specifications

Parameter	Typical Values
Wavelength	365 nm / 385 nm / 395 nm / 405 nm. Other wavelengths available on request UVC to IR
Peak irradiance	3 W/cm ² at 10mm (UVA)
Energy dose	0.50 J/cm ² at 10m/min (UVA) (High dose double window 1.0J/cm ² at 10m/min, (UVA))
Emitting window	(110mm x n) by 32 mm
Working distance	3mm to 70mm
Power input	333W per 110mm
Cooling	Air-cooled
Control	0–100% variable power, hardwire I/O with optional fieldbus control integrations on request to machine PLC's with Profibus / ProfiNET, Modbus TCP / RTU, CanOpen, Ethernet/IP, OPC-UA
HMI	Integrated to control cabinet or remote pendant
Ingress protection	Cabinet IP43, Head IP4X
Compliance	CE / UKCA (other approvals on application)

Key Features

- Efficient output for less demanding applications.
- Modular head lengths in 110mm steps to suit different process widths and machine layouts.
- Integrated air cooling for simple integration.
- Varied wavelength selection for inks, coatings, adhesives and electronics assembly.

Typical Applications

Suitable for printing, coating cure, adhesive bonding, electronics assembly, optical bonding and conveyor-based industrial curing processes where repeatability, intensity stability and compact integration are important.

Mechanical Dimensions Head

Overall head length: $(110\text{mm} \times n) + 30\text{mm}$

Head width: 65.5mm

Head height: 80mm

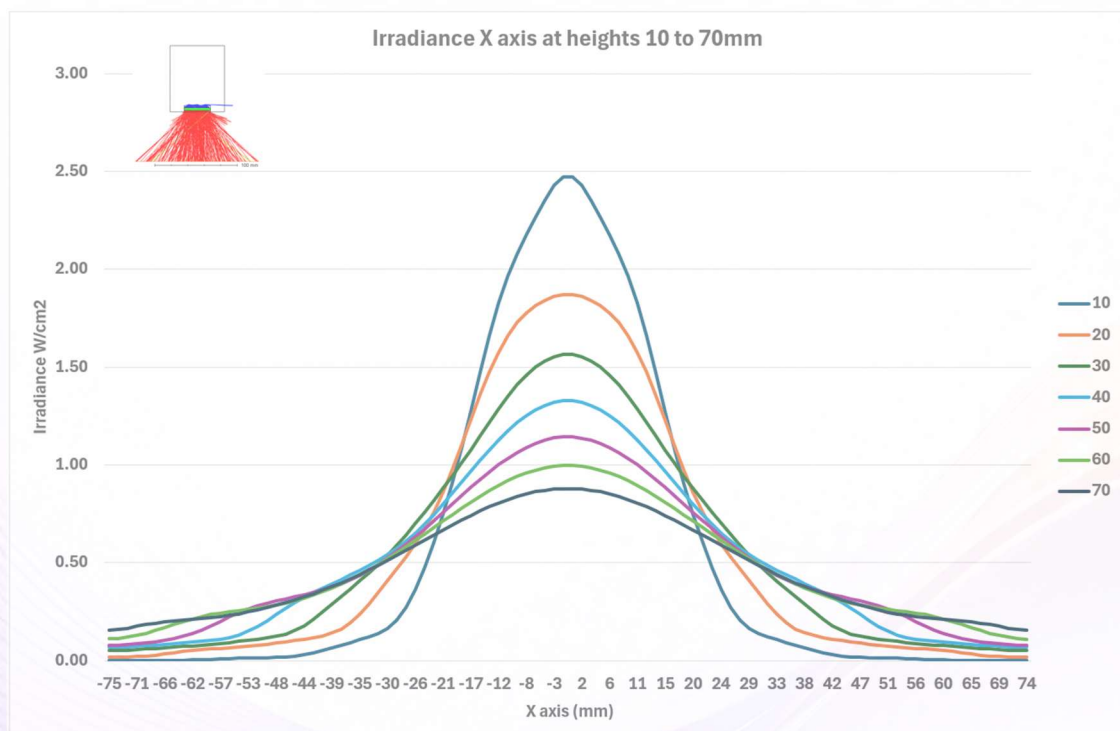
Mechanical Dimensions Cabinet

Cabinet Height: 600mm

Cabinet width: 600mm

Cabinet depth: 250mm

UV Output Profile



Ordering and Configuration

Product code: AC-LED-WLT-DD-AC-LLLL-CTL (example AC-LED-385-ND-AC-990-HIO)

Option	Description	Code
Wavelength	365 / 385 / 395 / 405 nm	WLT
Dose	Normal (ND) or High Dose (HD)	-DD
Cooling type	Air cooled	-AC
Illumination Width	110 / 220 / 330 / ... / 1980mm (note high dose double window max 990mm)	-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.