

Tachai UVC Design

New Lighting Program Dep.
OCT. 2021

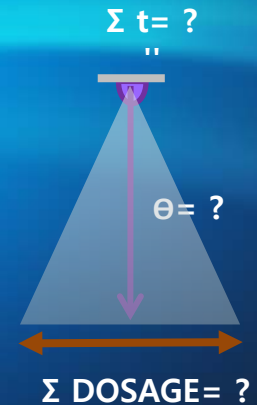


Caution UV-C emitted from this product May cause eye or skin damage if pointed directly at the eye or skin. Keep out of reach of children. Please follow instruction for correct use

Outline

- ❖ UVC – Component
- ❖ UVC – Air Purifier
- ❖ UVC – Water Sterile Pipe
- ❖ UVC – Water Tank Module
- ❖ UVC – Water Cap
- ❖ UVC – Surface Sterile Wand
- ❖ UVC – Portable UVCuboid

$$Dosage \left(\frac{mJ}{cm^2} \right) = Irradiance \left(\frac{mW}{cm^2} \right) \times Time(seconds)$$



UVC Component

ALL TACHAI'S UVC LED ARE MADE IN TAIWAN, AND ALL THE CHIPS ARE ACQUIRED FROM TAIWAN-BASED WAFER FAB.

- ❖ Wavelength : 2 Types
 - ❖ 265~278 nm
 - ❖ 278~280 nm
- ❖ Dimension : 2 Sizes
 - ❖ 4.4 x 4.4 mm
 - ❖ 3.5 x 3.5 mm
- ❖ Forward Current : 30 / 50 / 100 / 150 mA
- ❖ Viewing Angle : 30 / 60 / 100 / 120 Degree



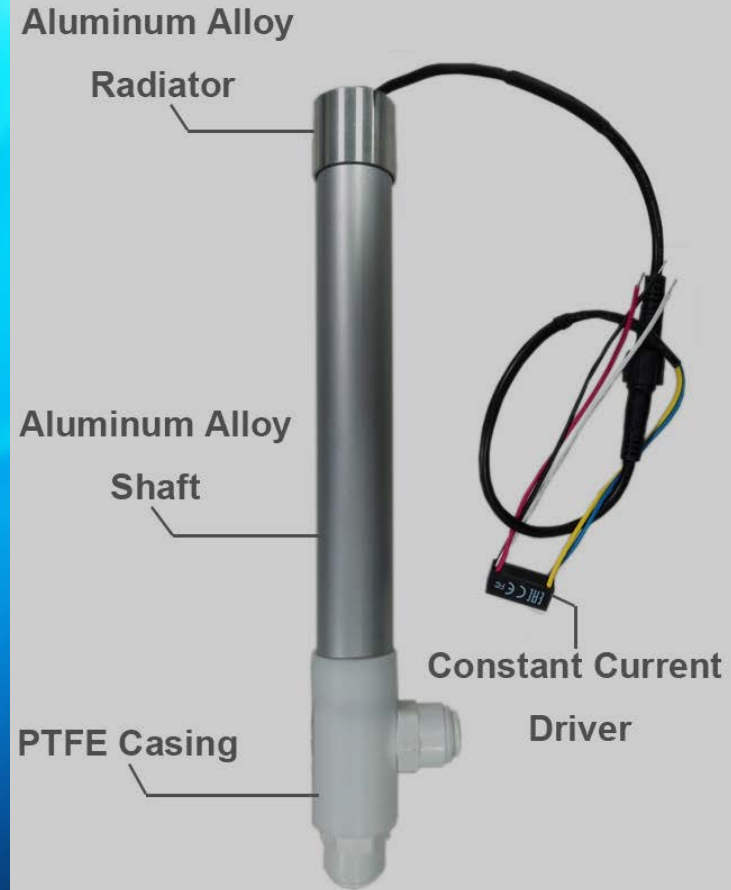
UVC – Air Purifier

- ❖ Tachai UVC Sterilization Module Inside
- ❖ Specification
 - ❖ Voltage : 5 VDC
 - ❖ Power : 1.5 W
 - ❖ Packing : 70 x 70 x 180 mm
 - ❖ Weight : 280 g
 - ❖ HEPA Grade : 13
 - ❖ CADR : 6.75 M²/H
 - ❖ MODE : Sleeping / Comfort / Efficient



UVC – Water Sterile Pipe

- ❖ Application : Household, Yacht Water Pipe
- ❖ Specification
 - ❖ Type : 2 L/min and 3 L/min
 - ❖ Size : 175 / 265 mm
 - ❖ Voltage : 12~24 VDC
 - ❖ Power Consumption : <6W
 - ❖ Max Operating Pressure : 690 KPA
 - ❖ Inlet/Outlet : 3/8" NPT Connector



UVC – Water Tank Module

- ❖ Sanitize the Water In Dispenser Tank, Dehumidifier Tank, And Fish Tank.
- ❖ Specification
 - ❖ Voltage : 24 VDC
 - ❖ Power : 3 mW
 - ❖ Size : $\Phi 35 \times 17.4$ mm
 - ❖ Weight : 10 g
 - ❖ Waterproof : IP68



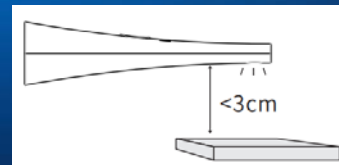
UVC – Water Sterile Cap

- ❖ The Sterile Cap Can Be Used For Cups In Different Diameters And Get Clean Water In Less Than 90 Seconds.
- ❖ Specification
 - ❖ Voltage : 5 VDC
 - ❖ Power : 20 mW
 - ❖ Size : 66 x 66 x 44 mm
 - ❖ Weight : 70 g



UVC – SURFACE STERILE WAND

- ❖ Personal, Powerful, Portable UVC Wand Against SARS-COV-2!!
- ❖ Specification
 - ❖ Voltage : 5 VDC
 - ❖ Power : 20 mW
 - ❖ Size : 165 x 40 x 56 mm
 - ❖ Weight : 70 g



UVC – PORTABLE UVCUBOID


- ❖ Get Clean Mobile, Mask, Glasses, Keychain From Anywhere At Anytime.
- ❖ Specification
 - ❖ Voltage : 5 VDC
 - ❖ Power : 1.5 W
 - ❖ Size : 226 x 124 x 56 mm
 - ❖ Weight : 370 g



Contact us and get your optimal
sterilization solutions!

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 Tachai Industrial Co., Ltd.