



UV LED Light Tube

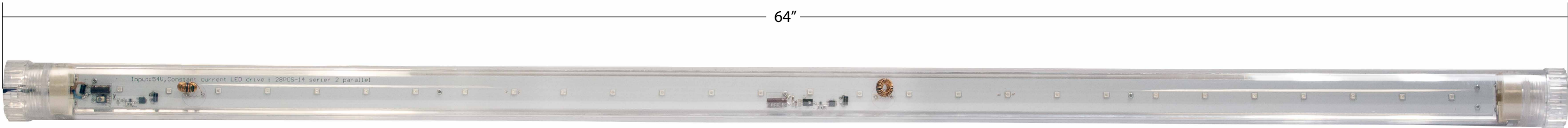
Model No. : UV1005T

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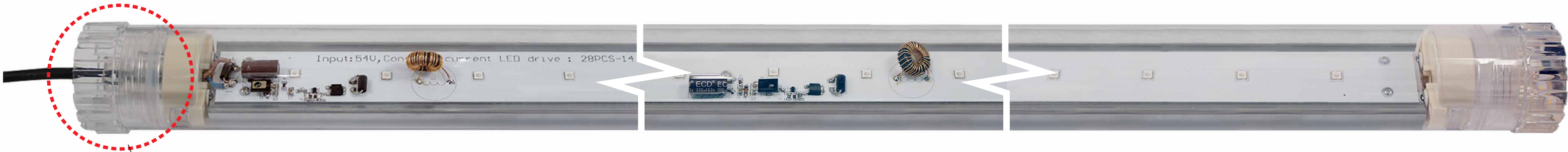
UV LED Light Tube

Model No.: UV 1005T



* Variety of Sizes and Models Available

Scale: 1:5



Water Resistant Tube Cap

Scale: 1:3

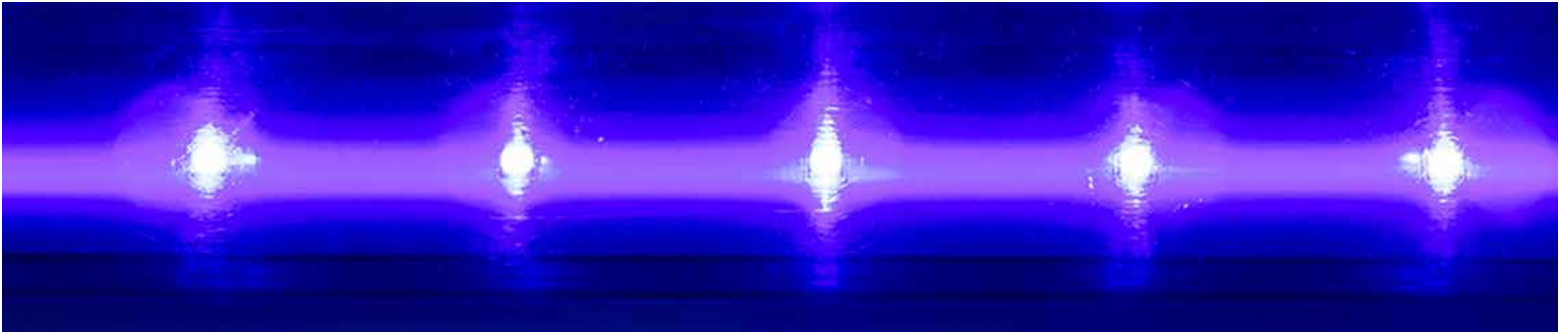
UV LED Light Tube Specifications

Model No. : **UV1005T**

1. Description

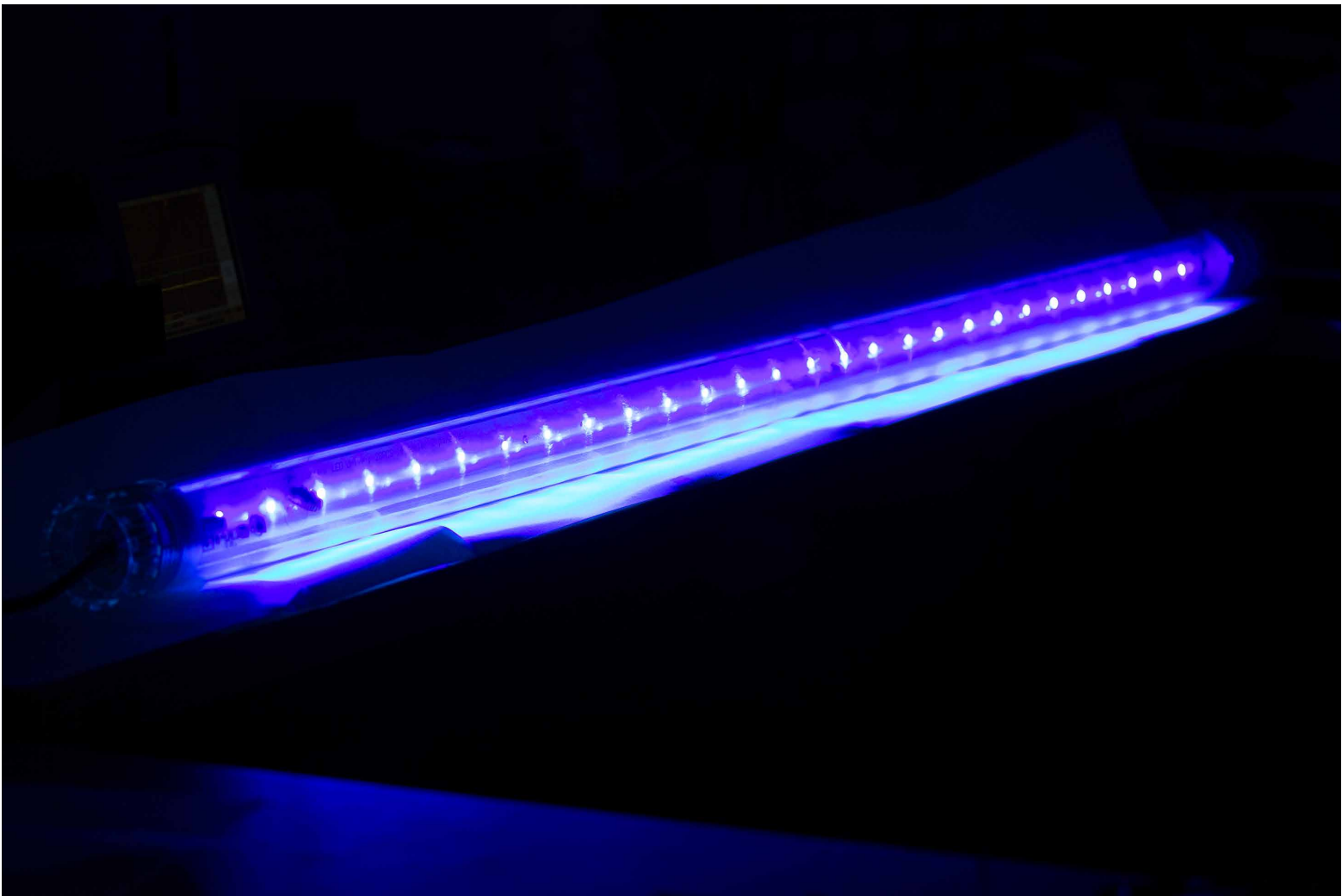
The UV LED light tube is designed for under water application and meet the IP68 ingress protection rating. The tube is 6 feet long and contains 28 UV LEDs, driven at 700mA for a total power of about 70W. The input voltage for the tube is specified in the range of 48Vdc to 54Vdc.

*UV-C light can be harmful, so please be careful to avoid direct exposure to your eyes and skin.



2. Features

| | |
|-------------------|-------------------------------|
| Number of LEDs | 28 |
| Tube Dimension | 2.44” (6cm) D x 64” (162cm) L |
| Beam Angle | 120 degree |
| Power Cord Length | 10 ft (305cm) |
| Weight | 4.3 lbs (1.95kg) |



3. Electro-Optical Characteristics

| LED Part No. | Peak Wavelength | Forward Current | Forward Voltage | Optical Power | Power Consumption |
|----------------|-----------------|-----------------|-----------------|---------------|-------------------|
| LEUVS51Q00VV00 | 405nm | 700mA | 48 to 54Vdc | 22.1W | 70W |
| LEUVS51Q00UV00 | 395nm | 700mA | 48 to 54Vdc | 22.1W | 70W |
| LEUVS51Q00TV00 | 385nm | 700mA | 48 to 54Vdc | 22.1W | 70W |
| LEUVS51N70RV00 | 365nm | 700mA | 48 to 54Vdc | 21.0W | 70W |

4. Cautions on Use

- IRTronix is not responsible for any damages or accidents caused if the operating or storage conditions exceed the absolute maximum ratings recommended in this document.
- The LEDs described in this document are intended to be operated by ordinary electronic equipment.
- The LEDs should not be used at any lighting products together with the other LEDs, which has a different part number. If required, please contact any salesperson.
- It is recommended to consult with IRTronix when the environment or the LED operation is nonstandard in order to avoid any possible malfunctions or damage to product or risk of life or health.
- Disassembly of the LED products for the purpose of reverse engineering is prohibited without prior written consent from IRTronix. All defected LEDs must be reported to IRTronix and are not to be disassembled or analyzed.
- The product information can be modified and upgraded without prior notice.

5. Disclaimers: Safety Guidelines



- High-intensity ultraviolet light
- Eye and skin hazard - avoid exposure to eyes/skin.
- Do not look directly at light - use eye protection.
- Use warning labels on systems containing UV LEDs.