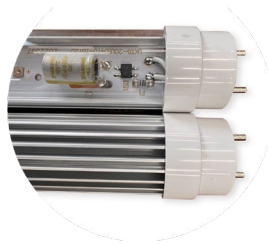


PPM-T8A

UVC LED Pueple Planet Mods

Product Specifications SPECIFICATIONS



REPAIRED BY	CHECKED BY	APPROVED BY

CUSTOMER APPROVAL

CUSTOMER NAME	STAMP

1 Product Features

- The product is driven by DOB high-voltage direct current, with constant current chips converting to constant current drive, ensuring stable light output from the light bulbs and a long service life.
- The product features nanosecond-level instant start-up with no delay and reaches a stable operating state immediately after start-up;
- Excellent thermal management and imported UVC package ensure effective control of light attenuation issues.
- The lamp body is made of high-purity aluminum with precision machining and anodizing, featuring a simple and stylish appearance with excellent color stability.

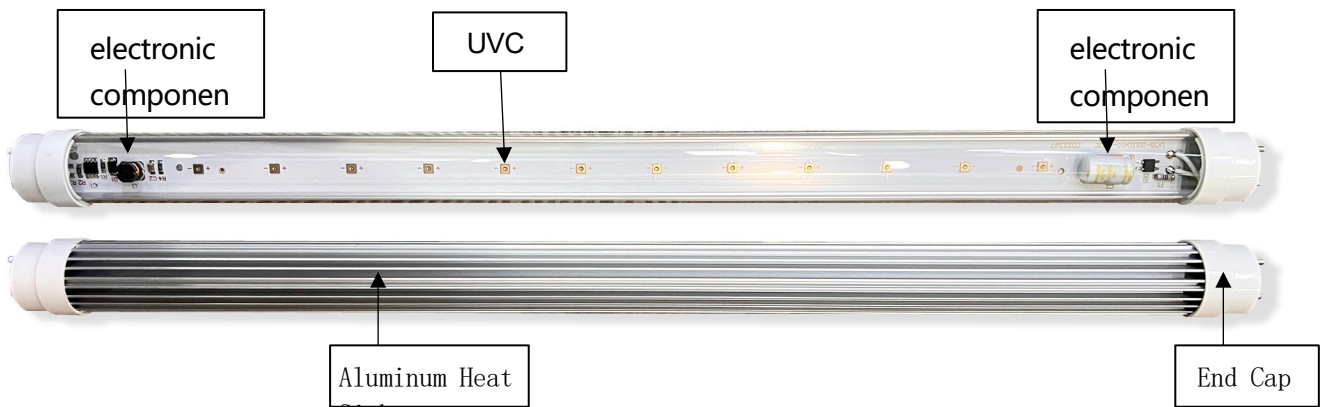
2 Applications

- Surface sterilization and disinfection
- Sterilization inside small spaces
- Air and water purification, etc.

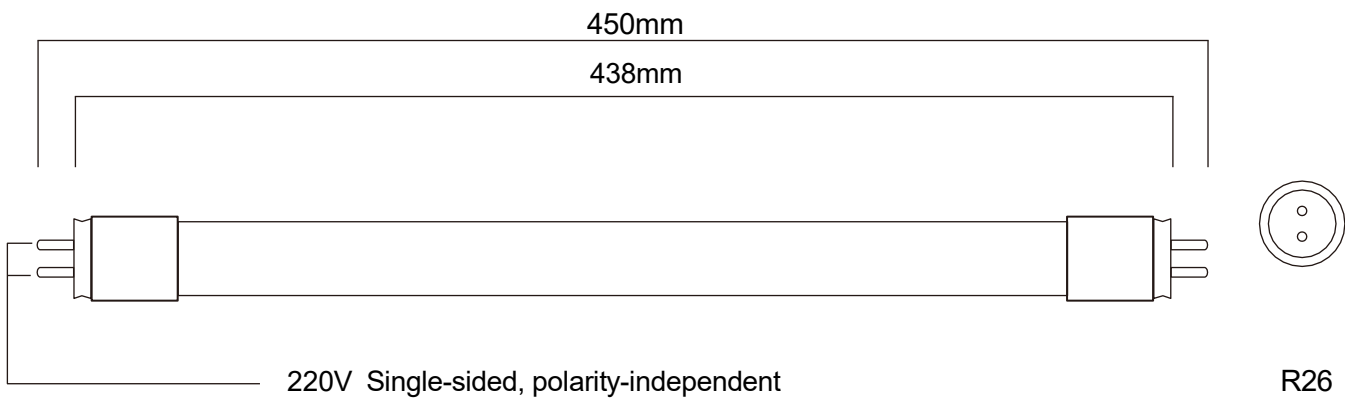
3 Product Information

Item	Specification
Lamp Type	UVC LED straight tube double-ended double-pin lamp tube (T8)
Lamp Dimensions	Diameter × Length = 26 mm × 438 mm
Housing Material	Aerospace-grade aluminum + quartz glass cover
PCB Dimensions	Length × Width × Thickness = 416 × 20 × 1 mm
PCB Material	Single-sided aluminum-based PCB
Circuit Configuration	UVC LED: Connect all 12 lamp beads in series.
Other Components	Includes resistors, ICs, capacitors, Zener diodes, and other electronic components

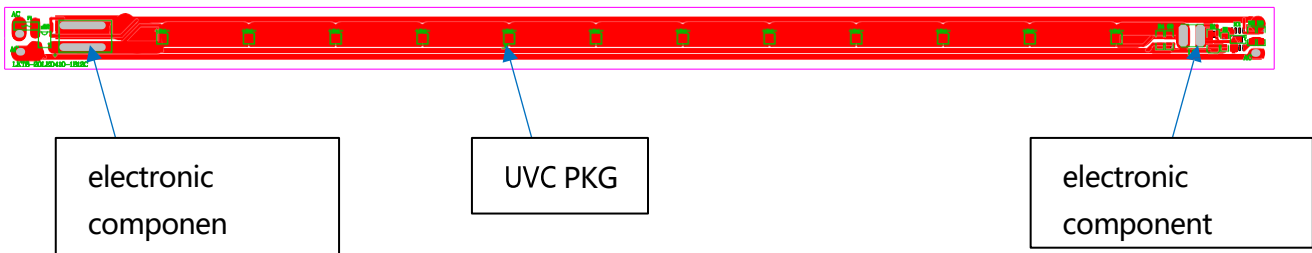
3.1 Product Image:



3.2 Product Dimensions and Lighting Method:



3.3 This product is equipped with UVC light bulbs. When in operation, it emits ultraviolet light. The distribution of the light bulbs on the surface is shown in the following figure:



4 Product Parameters

Rated Voltage: AC170-250V Output Voltage: DC64 V LED Supply Current: 100±5mA

Item	Parameter	Symbol	Test Conditions	Min.	Max.	Unit
UVC	Optical Power	Φe	VF=64V	500	600	mW
	Peak Wavelength	WLP ₁	VF=64V	270	280	nm
UVA	Peak Wavelength	WLP ₂	---	---	---	nm
Reliability	Sterilization Efficiency		Distance 30cm Continuous Irradiation 8min		E. coli Inactivation Rate 99.99%	
	Bacteriostatic Efficiency		Distance30cm Irradiation per Hour8min		Natural colony < 50 cfu/ml (within 200 hours)	
	LED Lifetime	L70	64V		10000h	
	Operating Temperature		-30℃~60℃			
	Storage Temperature		-30℃~60℃			

5 Product Usage Precautions

- This product is fragile and must be handled with care. Do not drop the product or allow contact with sharp objects. Do not knock, impact, squeeze, or otherwise handle the product improperly;
- The product is powered by a 220V constant - voltage and constant - current driver. There is no distinction between positive and negative polarities. Do not use a power supply that does not meet the requirements for driving.
- Use the product only within the rated temperature range. Do not operate it continuously for extended periods in high-temperature, enclosed environments;
- This product is sensitive to electrostatic discharge (ESD). Take appropriate ESD protection measures during installation and use;
- Do not expose the lamp tube directly to a high-humidity environment. Waterproof and moisture-proof isolation measures should be taken. The outer shell of this product is made of quartz and should be kept clean. Volatile organic compounds and organic pollutants can cause strong absorption of ultraviolet rays, which will affect the performance of this product. It is recommended to wipe the quartz lamp shell with alcohol or isopropyl alcohol when necessary.

6 Important Safety Instructions

- This product will generate strong ultraviolet rays when powered on. Ultraviolet rays can cause harm to human skin and eyes. Therefore, it is necessary to avoid exposing the human body directly to strong ultraviolet rays without any protective measures.
 - Never look directly at the UVC radiation emitted by this product with the naked eye.
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