

1、 Range of application

1-1 Model: YL-CCFLUV-254nm

Type of ballast: DC12V **electronic ballast**

2、 Appearance and fixture:

2-1 Appearance quality

2-1-1 Appearance quality is inspected by visual or by a slide gauge with precision of $\pm 0.02\text{mm}$.

2-1-2 Glass tube should be transparent, clean, straight, without any faults affecting uv rays through.

2-1-3 Material for uv lamp tube and protecting must be quartz tube which can transmit 253.7nm UV ray.

2-1-4 Position between UV tube and protecting must be fixed and without any phenomenon of impact.

2-2 Material list for CCFL UV lamp:

Appx 1

No.	Description	Material	Remark
1	Glass tube	quartz glass	
2	Light silk	Nickel	
3	Lead wire	Molybdenum	
4	Sealed gas	Pure Argon	
5	Mercury	99.9995% Liquid Mercury	

2-3 **Mounting drawings of lamp module & sizes of appearance (See attached drawing 1) (附图 1)**

3、 Environmental conditions:

3-1 Working temperature : $0^{\circ}\text{C}\sim 50^{\circ}\text{C}$

3-2 Working moisture : 20%~90%(No-condensing and no-freezing)

3-3 Preserving temperature : $0^{\circ}\text{C}\sim 70^{\circ}\text{C}$

3-4 Preserving moisture :

85% Below (No-condensing and no-freezing)

4、Performances of products and configures of light characters

Appx 2

No	Item	Code	Rated value	Unit	Tolerance
1	Lamp Power*	P _L	2	W	± 15%
2	Lamp voltage*	U _L	430	V	± 20%
3	Lamp current*	I _L	3	mA	
4	254nm UV Intensity (4mm distance)		≥12000	mw/m ²	
5	Steady time of lighting	T _稳	5	min	
6	Average lifetime	H	>10000	h	
Testing conditions:	1 Ballast for testing: DC12V electronic ballast. 2 Instrument for testing: DC regulated power supply 3 Environment for testing: Temperature: 26 ± 2 °C Moisture: 50%~90% 4 Luminometer of uv rays is tested by UV-254 probe type(406101)				

Note: 1、 *reference value

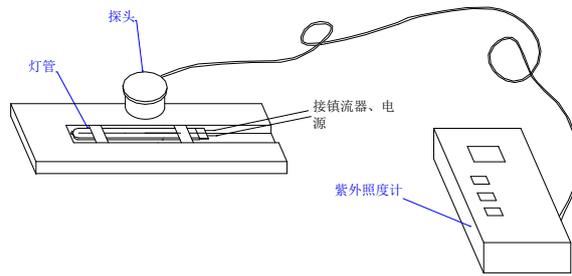
2、 Both lamp Voltage and lamp power are tested by electric ballast with power supply of 220 ± 3V voltage and frequency of 50 ± 0.5 Hz.

3、 In testing, lamp should be put horizontally, receiving probe of instrument be 4m away from the middle line of the surface of lamp. Before testing, the steady time of releasing electricity should be not less than 5min.

5、 System and method of testing strength of UV rays

5-1、 Testing system

System of testing strength of UV rays as Chart A. 1.



A. 1 System of testing strength of uv rays

The testing of strength of UV rays must be done on a measuring table for testing degree of light. In testing, lamp and uv rays radiation luminometer probe must be fixed on the testing table precisely. The distance between lamp and probe should be flexible and be measured accurately. (See chart A.1)

In case any error of astigmatism, the testing table should usually be put in a dark room with black wall. Should there not be any dark room, put the testing table in a dark case interior wall of which must be stucked by black clothing.

5-2、Testing method

Fix the testing lamp on the table, light it according to its characters. Let the horizontal middle line of the lamp through the center of the UV rays radiation luminometer probe. During lighting, the lighting surface(if any) should upright the lighting rail and parallel with the receiving surface of the probe.

Mount UV rays radiation luminometer on lighting rail. Let the line on receiving surface of the radiation luminometer folds on horizontal middle line of the testing lamp.

Adjust the position of the UV rays radiation luminometer, let the distance $50\pm 1\text{mm}$ between the receiving surface of the radiation luminometer and the surface of the testing lamp

Turn on the power supply of the testing lamp as per A.1 and light it normally. Pre-heat it for 5 min.

After the lamp being steady, open the quick door of the UV rays radiation luminometer and read the value in it directly.

Requirement for safe operation

During testing, operator should make some measures to prevent UV rays radiation from hurting their eyes and raked part of their body.

6、 Condition of the effect lighting portion

Outline of lamp tube don't have any faults by sight and surface of glass don't have apparent scratch and dirt.

7、 Vacuum testing

Vacuum testing of lamp tube is performed with electricity spark leak testing instrument.

8. Guarantee

8-1 Duration of guarantee is within 12 months after being sold.

8-2 Preserving condition: In wrapping condition, temperature is 0 °C ~70 °C , moisture is below 85% (no-condensing and no-freezing)

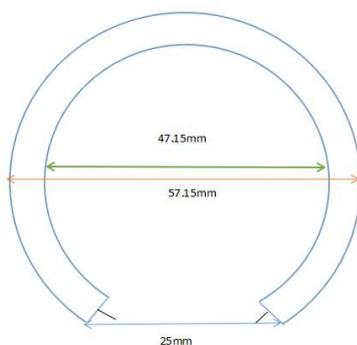
9、 Others

9-1 Should this version not be signed back in two weeks from issue date, we consider it as approved.

9-2 Regarding the contents or undecided items in this version, should there be any queries or something need adding or canceling, it is necessary to put them forward in writing in advance, and then settle them down after negotiation by both parties.

9-3 Settlement of the unqualified products

When buyers find unqualified products, they can contact the seller. Should the unqualified products be owing to seller's reasons, the unqualified products will be handled as per the procedure of return goods.



reference for the drawing