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产 品 规 格 书

Product user manual

产品名称	**UVLED line curing light source**
Products type	
产品型号	UVLN81T
Products series	
产品规格	LNHD-200×10
Specification	

This UVLED light source is the standard specification of Futanshi Company. The order quantity is between 1-50 sets and can be shipped on the same day. The order quantity is more than 50 units, please contact us to confirm the delivery date.

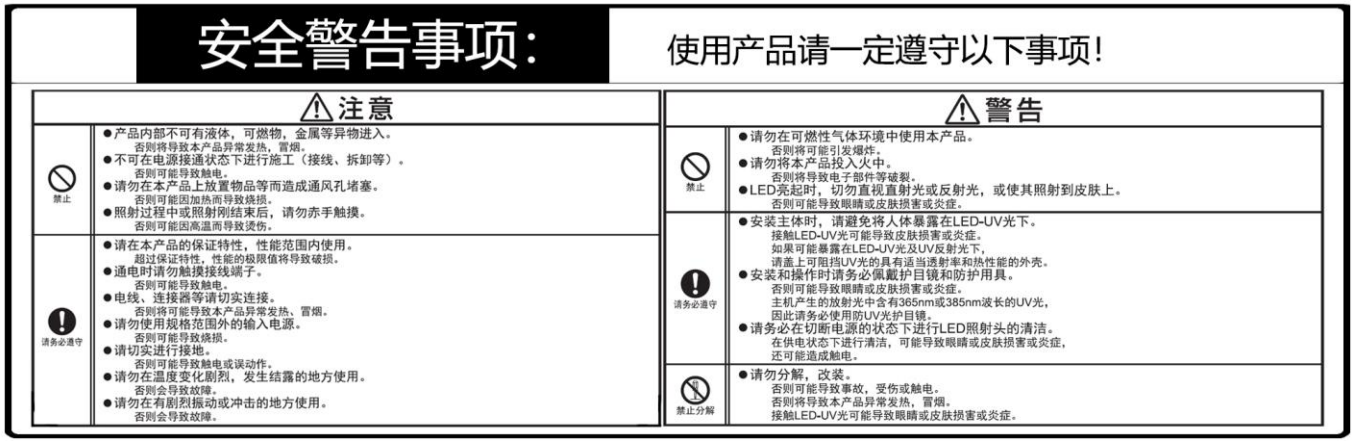
Send an inquiry to E-mail: futansi@futansi.com

You can also call: 021-69790531, welcome to contact us!

LNHD-200×10

发光面积：200×10（mm）

Approved	Review	Formulate
FTS	FTS	FTS



① UVLED be careful when using the product：

■General Notes

●Please use the products designated and recommended by our company when connecting the cable of the device。When causing damages by using products designated and recommended by non-our-company, it will not covered by the warranty 。

●The additional connecting wire and LED irradiation head can be used or bent。Under standard experimental conditions，the bending performance of cable are satisfied。While the performance under any conditions under its actual use cannot be guaranteed.。

●Do not disassemble, modify the internal settings. If disassembling and modification caused any problems, which will not be covered by the warranty。

■Installation environment

●environmental temperature 0℃- +45℃（non-freezing） ●environmental temperature 30% -85%RH（noncondensable）

●In the place of no dust, soot, conductive dust, corrosive, flammable gas, salt, iron, etc. ●Places that do not touch water, oil, medicine, etc.

●Places of no violent temperature changes,vibrations and impact. ●a place without direct sunlight ●a place without strong magnetic fields and strong electric fields

■About the power supply

●Please supply single-phase 200V-240V (frequency 50Hz-60Hz) power supply voltage。

●Please make sure to be grounding。

●Do not use the same power network with motors and inductive machinery, high power devices。

●It has sufficient interference resistance to the interference superimposed on the power line, but it is recommended to use an isolation transformer for proper disposal before power supply to reduce interference.。

■About the wiring

●For the controller, the wiring between the LED heads, please use the additional cable and connect it securely.。

●The additional connecting wire and LED irradiation head can be used or bent。

When using in bending, as a minimum bending radius greater than 110mm, please perform the system design. Bending with radius less than recommended, there is the possibility of cracking occurring in a short period of time。

●When an external I/O is connected to an inductive load (motor, breaker, etc.), please connect an interference absorbing component (interference suppressor, etc.) on the load side.。

●To prevent contact failure after wiring the power cable, securely tighten the fixing screws of the connector.。

●Please load and unload the cable through the connector (plug)。

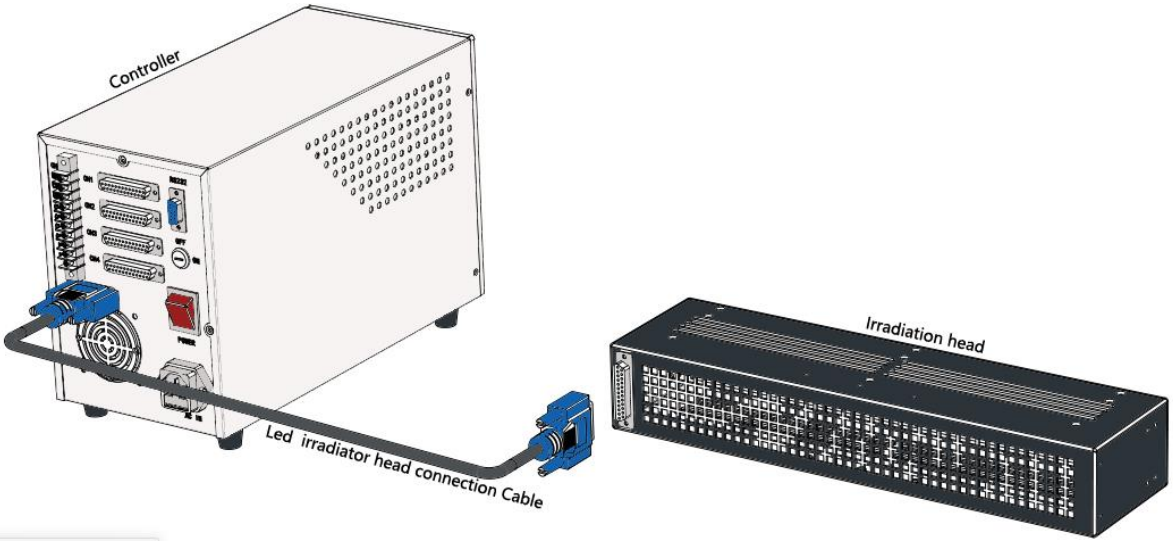
② Scope of application

The UVLED light source is a semiconductor light-emitting device that directly generates ultraviolet light, and is a light source that integrates a certain wavelength of a high-power LED having an emission wavelength of 200 nm to 450 nm according to a certain ratio. UVLED light source has the characteristics of energy saving, long life, no pollution, stronger light, etc. It is suitable for large-scale mass production enterprises, and is suitable for small batch experiments in university laboratories and research institutes. UVLED is mainly used in industrial adhesives, packaging or label surface ink drying, home industry flooring and furniture varnish curing.

③ Basic parameters

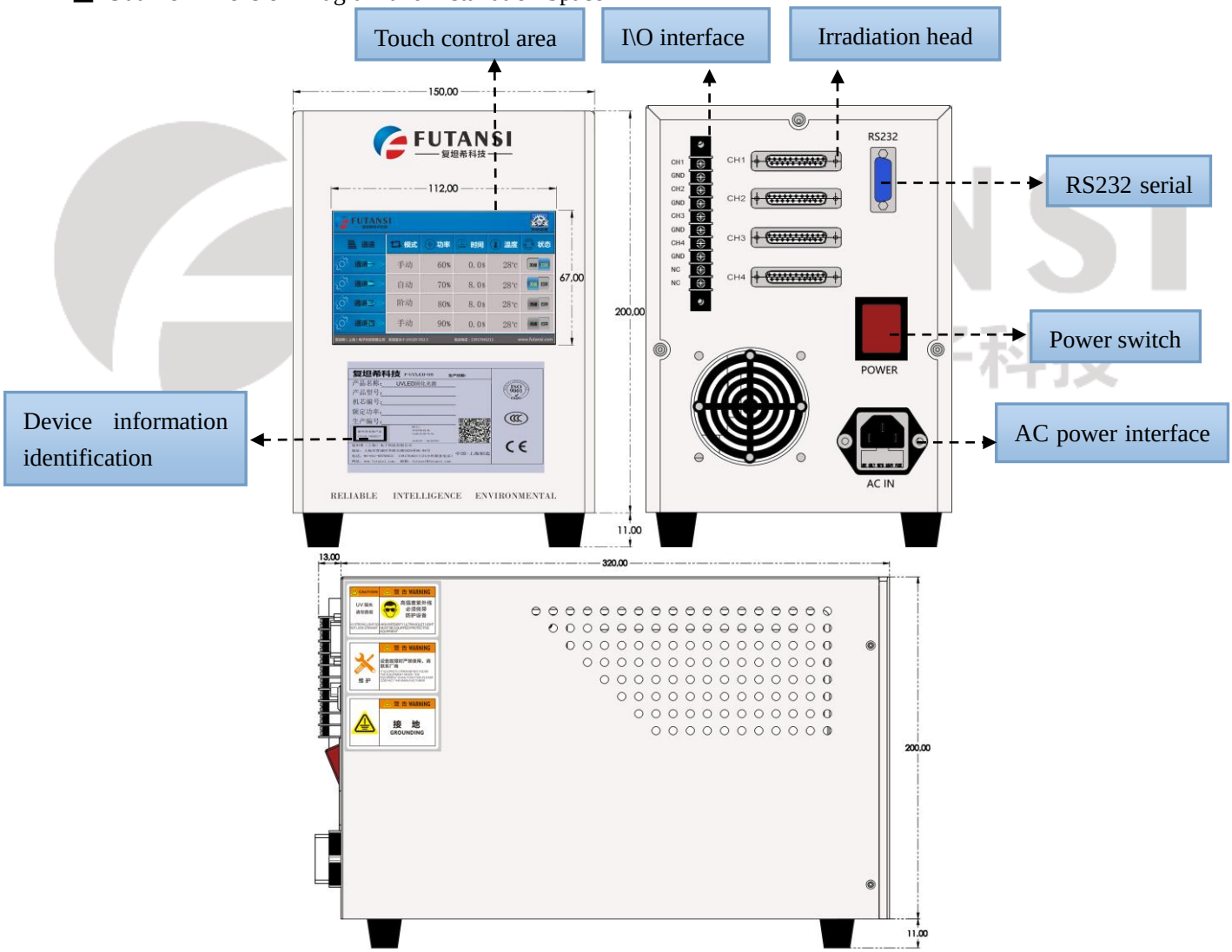
Serial number	Accessories	project	unit	skills requirement
1	Controller（UVLN81T）	Voltage	V	220
2		Cooling method	Force	Air cooling
3		Control method	Four kinds	Touch / Pedal / RS232 serial port/PLC
4		Irradiation power adjustable range	mw	10%-100% Adjustable
5		Irradiation mode	Manual	Touch / Pedal / RS232 serial port
6			automatic	Set the irradiation timing（0.1-999.9s)
7			ladder	Different irradiation power and time，Achieve step illumination (1-20 Step number)
8			pulse	Cyclic ladder (single/infinite)
9		communication control	RS232 serial port	Realize read and write communication
10			I\O interface	Realize read and write communication
11		Operating ambient temperature/humidity	0℃--45℃（No ice）	
12		Preservation of ambient temperature/humidity	-10-60℃/30-85%RH（no condensation）	
13	Irradiation head（LNHD-200×10）	LED type	Imported	
14		UVLED usage time	20000-30000 hour	
15		Heat dissipation method	Force	Air cooling
16		Wavelength range	nm	365.385.395.405±5
17		Outline size	mm	240X60X95
18		Luminous size	mm	200X10
19		Recommended distance range	mm	15-20
20		Peak irradiation intensity	mw(MAX)	500-5000
21		Consumption of power	W/H	80-200
22		Operating ambient temperature/humidity	0℃--45℃(no ice)	
23		Preservation of ambient temperature/humidity	-10-60℃/30-85%RH(no condensation)	
24	Power cord	Cable	m	2
25	Connecting line	Flexible cable	m	2
Guarantee, reliability				
1	Temperature	When the temperature is too high	X	Buzzing sounds, flashing cues
2	Lamp beads	When any lamp bead is damaged	X	Buzzing sounds, flashing cues
3	Heat sink	When the heat sink fails	X	Buzzing sounds, flashing cues

④System Structure and Connection Diagram



⑤ Controller Outline Dimension Diagram and Installation Space

■ Outline Dimension Diagram and Installation Space

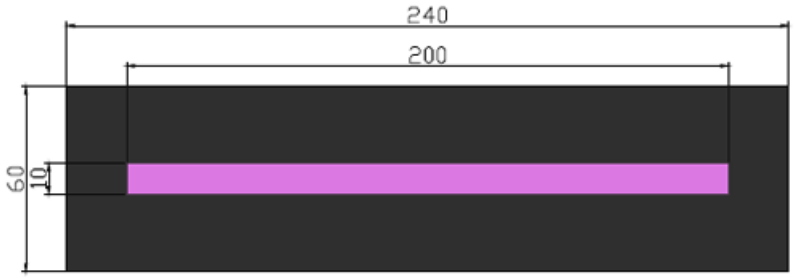


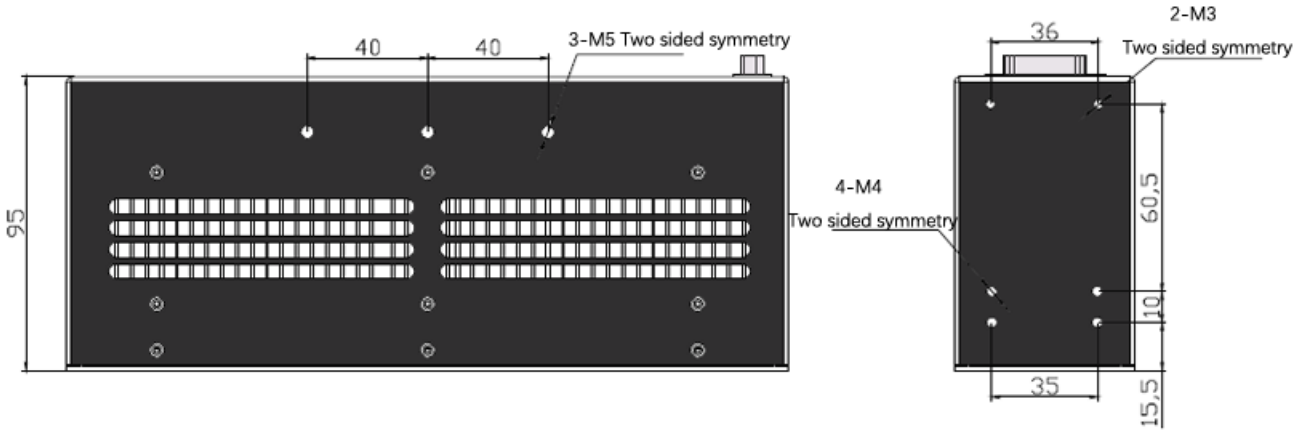
● Please do not install the controller in a closed space.

● Make sure that there is enough space for installation and use to avoid the exhaust of fan exhaust.

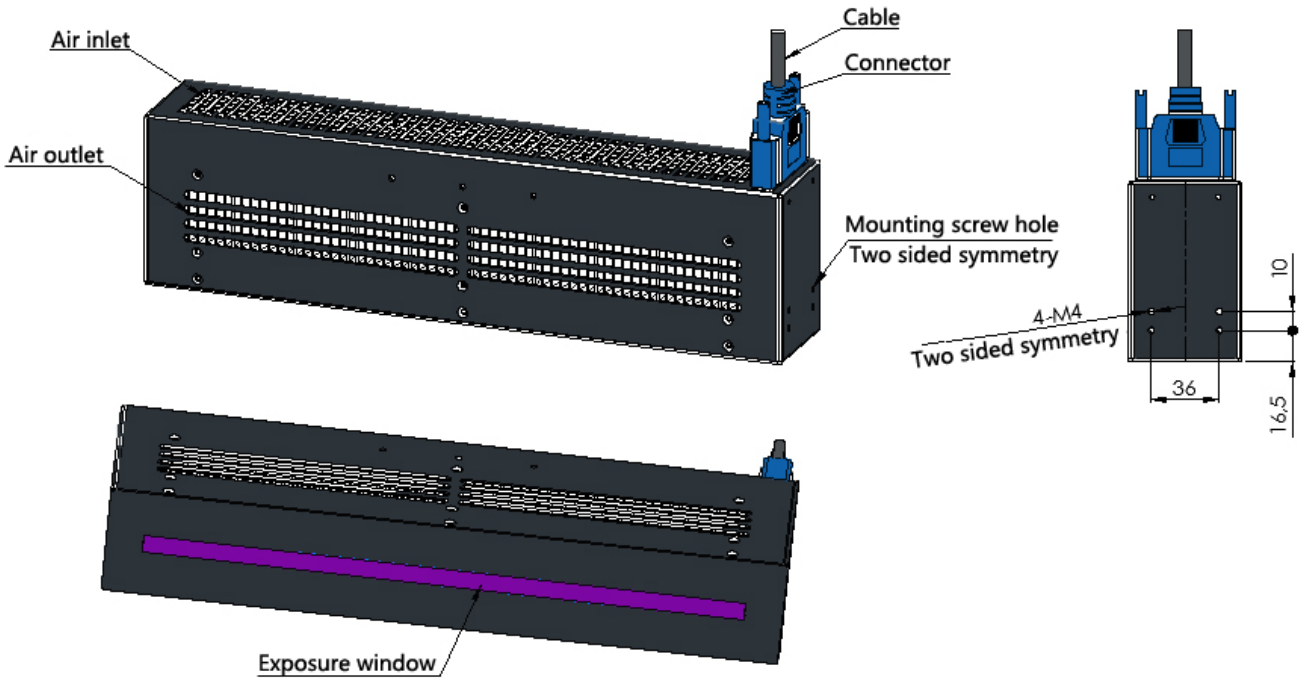
⑥Shape and dimension diagram of irradiation head and installation space:

■Shape size and installation space





■Part name and function description



⑦ external I/O connection

■External I/O connection (INPUT and OUTPUT)

Warning: Be sure to load and unload connections and connectors when the main power supply is cut off.

Pin number	Signal name	content
1（CH1）	Channel one foot input, I/O input, PLC control signal	
2（GND）	Channel one foot input, I/O input, PLC control signal	
3（CH2）		
4（GND）		
5（CH3）		
6（GND）		
7（CH4）		
8（GND）		
9（NC）		
10（NC）		

■solemnly declare:

Futansi (ShangHai)Electronic Technogy Co.,Ltd solemnly declare：Disassembling or modifying the UV controller or UV irradiator by yourself may cause the product to be unable to be used normally. The product assembled after disassembly may also cause personal injury or damage to the object. In this case, direct or indirect Loss of our company does not assume any legal responsibility:

- Electric shock that may be encountered by wet hand plugging and unplugging the power connector；
- FUTANSI or other branded goggles are not worn when using the device；
- Scratch caused by intentional or unintentional touch on the surface of the device immediately after using the device；
- Personal injury or object damage caused by using this equipment near water source or in wet places；
- Electrical shock or other accident caused by using this equipment during thunderstorm；
- Accidents caused by the use of equipment near gas or natural gas；
- Not strictly in accordance with the provisions of this manual；
- Continue to use the device in spite of error messages or failures；
- Untrained personnel use equipment；
- Continue to use defective devices；

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