Dentalzone

Mobile Medical Examination Light

USER MANUAL



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Ⅰ Brief introduction

It adopts 12pcs brand 3W LED bulbs as the light source, with high adjustable brightness, the light color nearly sunlight, no temperature rise on the surface of object, long life. The product is mainly composed of removable bottom, lift pillar , hose and lamp holder.

The diameter of lamp panel is 200mm, larger than the ordinary examination light, smaller than traditional LED shadowless lamp. Make up for small light spot, low illumination, short lighting depth of the examination lamp and the expensive of LED shadowless light with big lamp holder. Base caster configuration, mobile more convenient; Flexible tube, lamp holder rotate freely in 300° , you can get multi-angle lighting by the big handle.

This product adopts wide voltage input, low voltage output power supply, stable and reliable performance. Suitable for clinic, dental, gynecology, micro-plastic, and also used for pet medical.

Ⅱ Performance summary

The design and production of this examination light strictly executes the first part of the safety requirements of medical electrical equipment GB9706.1-2007: general requirements which is guaranteed in safety.

Ⅲ Main technical parameters

1. Input voltage:AC90~240V 50Hz
2. Input power:≤50VA
3. Fuse:F3AL250Vx1
4. Power of bulb:3W*12
5. Color temperature:5500±500K
6. Diameter of lamp holder: 200mm
7. Working distance: 700mm

Ⅳ Security tips and symbol instructions

1. When the examination light is in using, you should always abide by the basic safety precautions in order to avoid fire, electric shock or the risk of injury.
2. Please read the instructions carefully, and operating according to the specifications and requirements.
3. Before clean the product, unplug the power line, and do not use liquid or spray cleaners.
4. Please don't use the cold light source near the water. Don't put anything on the power line of the examination light.
5. When replace the bulbs, you must turn off the power switch of the light source and unplug the power cord.
6. Maintenance should be performed by professionals.
7. The brightness of this examination light is very high, when you use, don't contact with eyes directly, in case of damage.

8. Symbol:

Attention! Check the documents along with the examination light

Protect the grounding

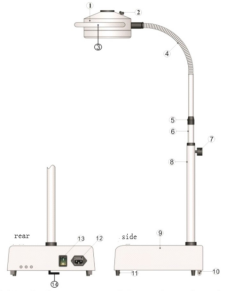
Connect (main power supply)

Disconnect (main power supply)

Ⅴ Working environment

Environment temperature: -5℃～40℃
Relative humidity: 35%~75%
Atmospheric pressure:700hPa～1060hPa

Ⅵ Product interface (Picture 1)



①Lamp holder ②Brightness adjusting knob ③Handle ④Hose ⑤ Lock sleeve of light pole ⑥Lift pole ⑦Lock button of lift pole ⑧Stand tube ⑨Base ⑩Mobile wheel ⑪Rubber foot ⑫Interface of power line ⑬Power switch ⑭Fixed screw of stand tube

Ⅶ Usage

1. Check before using

1) Open the package, check whether it is damaged or not.

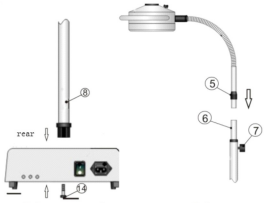
2) Check whether there are missing parts according to the "configuration list" ;Please contact with factory or distributor in time to get properly resolved if you find something incorrect.

3) Read the instructions carefully and follow the installation steps.

2. Installation

1) Installation of base:Put the light base⑧on the floor, insert the stand tube⑧ into the light base⑨ according to position of the locating slot, lift the rear of the base with 45° , install the fixed screw⑭ clockwise to tighten (Picture 2)

2) Installation of lamp holder:Position the positioning pin of the hose④ with lift pole⑥, when the pressure is put into place, fix the lock sleeve⑤ of light pole. (as shown on Picture 3)



Picture 2

Picture 3

3. Usage

1) Connect the power line with interface⑫ and internet power supply, turn on the switch⑬, the examination light light up.

2) Bend the hose④ or hold the handle③ toward left or right, to change lighting angle.

3) Loosen the lock button⑦ of lift pole, could adjust the lighting height of the examination light.

4) Adjust the brightness adjusting knob② to change the lighting intensity.

Ⅷ Attentions

1. Please pull out the power plug before clean the lamp, do not use liquid spray to clean it.
2. When install the lamp, please assemble and reinforce it according to the instruction of the technical requirements.
3. Do not use the lamp near water.
4. Maintenance should be performed by professionals.
5. Never put any item on the power line.
6. The old bulb should be put into the waste barrels, do not throw it randomly
7. The light intensity is high, you should be cautious in use with your eyes.

Ⅸ Failure judgment and eliminating methods

(This link requires professional operation)

Failure phenomenon	Reason	Solution
The light is not bright	1. The power switch⑬ is not open	Turn on the power switch
	2. Brightness adjusting knob② is at the minimum position	Rotate clockwise to the end
	3. The screw of base⑨ and stand tube⑧ didn't fix well	Reassemble
	4. Hose④ and lift pole ⑥ didn't connect well	Reassemble
	5. Power board fault	Return to factory for maintenance

Ⅹ Bulb replacement

The lamp bulb is LED light source, the normal life up to 10000 hours, no need to replace normally. In case of any failure, please inform the manufacturer in time for processing.

Ⅺ After-sales service

◆The product warranty period is 18 months

◆During warranty period, Send or give us your warranty and purchase invoices, we will provide free maintenance service when you have quality problems.

◆Light bulbs are consumable accessories. Normal service life is 5000 hours.

◆If you modified the function by yourself and

then it does not work , is not covered under warranty.

◆If the marks on the product such like model, serial number, date of manufacture has been altered, deleted, or unidentifiable, will not provide free warranty service.

◆If moving falling, squeezing, soaking, moisture and other failures caused by human factors can not enjoy our free warranty service.

◆The production date shown on label, service life is 5 years, we provide lifetime maintenance.

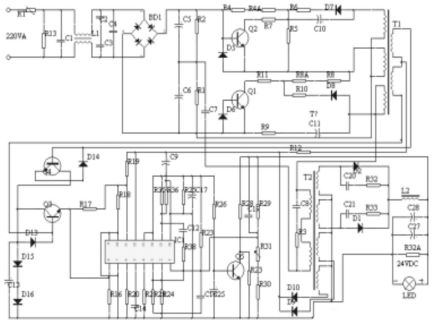
XII Transportation and storage condition

Environment temperature: -40℃～55℃

Relative humidity: 30%~80%

Atmospheric pressure: 500hpa~1060hpa

XIII Electrical schematic diagram and components list



NO.	Material name	Specification	Quantity	Remark
1	Circuit board	7D1A	1	
2	Field-effect tube	SL20C20U	1	
3	Filter choke	220mH	1	
4	Inductance	470mH	1	
5	Capacitance	F103M/2KV	3	
6	Capacitance	22nj/T100V	1	
7	Capacitance	102M/2KV	1	
8	Electrolytic capacitor	50V/1uf	1	
9	Capacitance	222J/250V	1	

10	Capacitance	102J/100P	1	
11	Electrolytic capacitor	50V/4.7uf	3	
12	Electrolytic capacitor	50V/22uf	1	
13	Electrolytic capacitor	50V/47uf	1	
14	Electrolytic capacitor	50V/1000uf	2	
15	Electrolytic capacitor	250V/470uf	2	
16	Capacitance	22nj/T100V	1	
17	Capacitance	102M/2KV	1	
18	Electrolytic capacitor	50V/1uf	1	
19	Capacitance	222J/250V	1	
20	Capacitance	102J/100P	1	
21	Electrolytic capacitor	50V/4.7uf	3	
22	Electrolytic capacitor	50V/22uf	1	
23	Electrolytic capacitor	50V/47uf	1	
24	Electrolytic capacitor	50V/1000uf	2	
25	Electrolytic capacitor	250V/470uf	2	
26	CBB capacitor	400V/105J	1	
27	Filter capacitor	0.1uf	2	
28	Resistance	150K/0.25VA	1	

29	Resistance	15Ω/0.25VA	2	
30	Resistance	120KΩ/0.25VA	1	
31	Resistance	12KΩ/0.25VA	1	
32	Resistance	10KΩ/0.25VA	1	
33	Resistance	1KΩ/0.25VA	1	
34	Resistance	22KΩ/0.25VA	1	
35	Resistance	15KΩ/0.25VA	1	
36	Resistance	5.6KΩ/0.25VA	2	
37	Resistance	560Ω/0.25VA	1	
38	Resistance	1.2KΩ/0.25VA	1	
39	Resistance	3.9KΩ/0.25VA	1	
40	Resistance	680KΩ/0.25VA	1	
41	Resistance	1.5KΩ/0.25VA	1	
42	Resistance	100KΩ/0.25VA	1	
43	Resistance	4.7KΩ/0.25VA	1	
44	Resistance	220Ω/0.25VA	1	
45	Resistance	150KΩ/0.25VA	5	
46	Resistance	2Ω/0.25VA	2	
47	Resistance	22K/0.25VA	2	
48	Resistance	24Ω/0.25VA	2	
49	Resistance	3.9K/0.25VA	2	
50	Resistance	100Ω/3VA	1	
51	Resistance	680Ω/3VA	1	
52	Diode	F107	6	
53	Diode	IN4752	2	
54	Diode	IN4148	2	
55	Audion	1815	3	
56	Thermistor	5D-15	1	
57	Piezoresistor	10D471K	1	

58	Integrated circuit	LM494	1	
59	Rectifier bridge	KBU810	1	
60	Lamp	LED	54	
61	Power socket		1	
62	Power line		1	
63	Fuse holder		2	
64	Power switch		1	
65	Battery	18AH,12V	1	

Any products may be updated or improved. The change of circuit or element specifications of the product will not with prior notice.

XIV Warranty card and maintenance card

Warranty card

Company name:			
Address		Phone No.	
Product name		Model	
Serial Numbe		Manufacture date	
Sale date			
Fault description:			
Remark: The warranty of our products is 18 months since the release date.			

(Please fill in the form truthfully, cut it according to the dotted line and send it back to our company, thank you for your cooperation)

Maintenance card

Company name:			
Address		Phone No.	
Product name		Model	
Serial Numbe		Manufacture date	
Sale date			
Fault description:			
Remark: You can enjoy 30 percent off for the maintenance services even if you use this card over the quality assurance period.			

XV Configuration list

No.	Name	Specification	Quantity	Remark
1	Auxiliary light for operation	36W	1	
2	Stand tube	95CM	1	
3	Base	31CM*25CM*9CM	1	
4	Lock button of lift pole	M8	1	
5	Fixed screw of stand tube	M8	1	
6	Power line	3*0.75 m²*1.8M	1	
7	Fuse	3A	1	
8	User manual	A4	1	
9	Quality certificate	—	1	
10				
11				
12				
13				

Notice:Please check the goods according to the configuration list within 3 days after receiving the goods.

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