

9.Packing list

(The components of the machine are listed in the packing list)

10.After service

- 1. Because of the quality problems, we offer two years warranty of main unit, pedestal and adapter since the day of sale. With the warranty card, our company is in charge of free repair. Optical fiber and light hood is not in the scope of warranty.
- 2. We are not responsible for any irretrievable damage caused by the non-professional person.

11.Storage and transportation

- 1. The equipment should be handled carefully and lightly.kept away from shaking point,installed or stored at shadowy, dry, cool and ventilated places.
- 2. Don't store it together with articles that are combustible, poisonous,caustic and explosive.
- 3. This equipment should be stored in the environment where the relative humidity is ≤80%, the atmospheric pressure is 75kPa to 106kPa and the temperature is -10℃ to 55℃.
- 4. Excess impact or shake should be avoided during transportation.
- 5. Don't mix it with dangerous articles during transportation.
- 6. Keep it away from sun or snow or rain during transportation.

12.Symbol instruction

	Trademark		Class II equipment
	Used indoor only	IPX0	Ordinary equipment
	Type B equipment		CE marked product
	Insert or pull out by rotation		FDA marked product
	Manufacturer		Date of manufacture
	Caution,consult accompanying documents		

EC REP Authorised Representative in the EUROPEAN COMMUNITY

13.Environmental protection

There is no harmful factors in the products. It can be disposed of according to the local laws. We reserve the right to change the design of the equipment, the technique, fittings, the instruction manual and the content of the original packing list at any time without notice. If there are any differences between blueprint and real equipment, take the real equipment as the norm.

14.Declaration of conformity

EN ISO 14971:2000+A1:2003
EN 980: 2003 / ISO 9687:1993 / EN 1041:1998
EN 60601-1:1990+A1:1993+A2:1995+ A13:1996
EN 60601-1-4:2001 / EN 60601-1-2:2007
EN ISO 10993-1:2003 / EN ISO 10993-5:1999/ EN ISO 10993-10:2003+A1:2003
EN ISO 17664:2004 / EN ISO 17665-1:2006
EN60825-1:1994+A1:2002+A2:2001

15.For technical data, please contact

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INSTRUCTION MANUAL FOR

LED.G CURING LIGHT



Certificated



EN ISO 9001:2008
EN ISO 13485:2003+AC:2007

The industrial design, inner structure, etc, have claimed for several patents by WOODPECKER, any copy or fake product must take legal responsibilities.

1.Principle

LED.G(built-in) adopts the principle of ray radiation to solidify the light-sensitive resin by shooting at it in a short time.

2.Structure and components

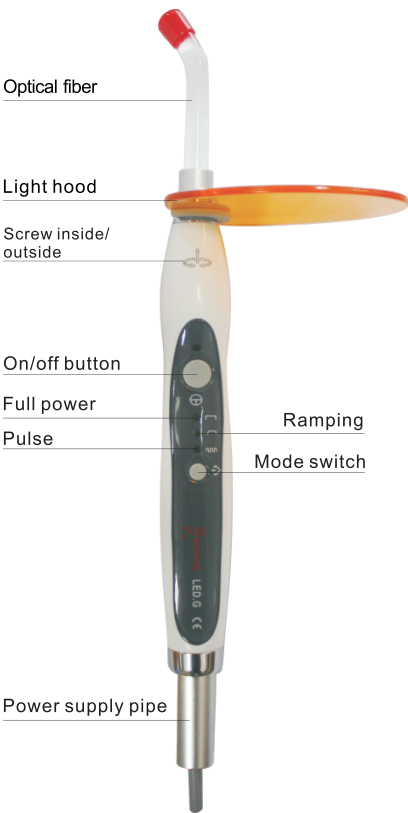
LED.G (dental) is mainly composed of high power LED, optical fiber, main unit.

3.Technical specifications

- 1.Power supply: AC15V to 24V 50Hz/60Hz
- 2.Light source: ① Blue light
② Wave length 420nm to 480nm
- 3.Working condition:① Environment temperature: 5℃ to 40℃
② Relative humidity:≤80%
- 4. Dimensions: 26mm×25mm×260mm
- 5. Net weight: 135g
- 6. Consumption power:≤8W
- 7. Protection type against electrical shock: Class II
- 8. Protection against electrical shock: Type B equipment
- 9. Protection against harmful ingress of water or particular matter: Ordinary equipment (IPX0)
- 10. Safety in the presence of flammable anesthetic mixture with air, oxygen or nitrous oxide: not suitable under this condition

4.Install and uninstall way

- 1. Connect the LED power supply line with the power (AC 15V to 24V) of dental unit.Tight the nylon thread to the fixation of the dental unit, then it will be available for operation.
Notice:
When installing the LED, be sure the power is cut off.The two power wire should be a little longer than the nylon thread to keep the power wire safe.
- 2. Take off the red cap from the optical fiber and insert the metal part into the front of the built-in LED.G. (Make sure to screw the fiber to the end by rotation)
- 3. Install the light hood as showed in picture 1.
- 4. Uninstall the LED,just reverse the procedure above.



Picture 1

5.Operation

You can choose one of three operation modes by pressing the mode switch button on the curing light.

- (1) Full power:the blue light radiates in full power.
- (2) Ramping:The blue light power increases stronger continually,after 5 seconds reaches to the highest power.
- (3) Pulse: The blue light works on the pulse condition.

During the operation, aim blue light at the position needing solidification. The working time of all modes is 10 seconds.

6.Precaution

Notice when using equipment

- (1) During operation the light should be aimed straightly on the resin,to ensure solidification effectively.
- (2) Avoid aiming light at eyes directly.

Contraindication

- (1) Some biological response history patients are strictly forbidden to use.
- (2) The patients or doctors with heart pacemaker are forbidden to use this equipment.
- (3) The heart disease patient,pregnant woman and children should be cautious to use the equipment.

7.Maintenance

- 1. Only the optical fiber can be autoclaved under high temperature and pressure.
- 2. After operation each time, shut off the power source and clean the optical fiber.

8.Troubleshooting

Fault	Possible cause	Solutions
Non-indication,non-acts	1.The LED is not connected well with the power. 2.The power is off.	1.Check the connection of the LED and the power. 2.Make sure the power is on.
Light intensity insufficient	1. Optical fiber isn't inserted well to the bottom. 2. The optical fiber has cracked. 3. There is resin remain on the surface of the optical fiber.	1.Please install the optical fiber well. 2. Please change the optical fiber. 3. Please remove the resin.