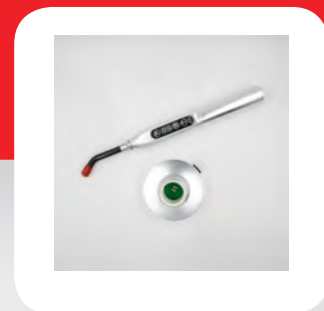


# LED lamp cordless



# Manual

## LED lamp cordless

Thank you for choosing the plug-in LED Light Curing lamp cordless. The LED Light Curing lamp cordless uses pure blue LED light with high power and brightness as its light source, accelerating the curing reaction with light-curing filling material and dental filling material. The LED Light Curing lamp works with an optical glass light tube. This ensures that the surface quickly bonds together and prevents fractures at the edges of cavities in teeth.

In Europe and North and South America, the LED Light Curing Lamp has become popular and has proven itself to be a reliable instrument in the field of light curing. Now, corded/cordless LED Light Curing Lamps are available in China and have filled the market there at the national level.

The lamp uses a pure blue LED light with high brightness. It can cure light-curing filling material at a wavelength of 450-480nm and is also used as an instrument in the dentistry department.

The lamp uses SMOS components, the power is stable, makes no noise, and causes no vibration.

It uses a high-capacity lithium-ion rechargeable battery, which can be used approximately 80-100 times when fully charged.

It has an intelligent battery that is controlled by a separate circuit. When the battery level is low, an acoustic alarm sounds and a flashing light appears on the display.

### Installing the lamp

1. Install the handunit/power supply unit (stainless steel handle)/activate the battery.

Unscrew the hand unit/power supply unit from each other, top from bottom, taking care not to lose the loose ring. Then screw the two parts back together. To protect the battery, please disassemble the top and bottom and place them in the packaging if you do not intend to use them for a long time.

2. Install the light-resistant screen (orange).

Carefully slide the light-resistant screen orange onto the stainless steel part of the optical fiber.

3. Install the optical fiber on the handunit.

The optical fiber (glass tube) is easily damaged, so be careful when installing it!

Place the optical fiber with the light-resistant screen in the round hole at the top of the handle. Carefully slide it into the hole until it cannot go any further.

4. Connect the battery charger.

Plug the connector into the supplied adapter plug and insert it into a 100-240 VAC/50-60Hz/max power outlet. Insert the round end into the charging station of the LED Light Curing hand unit.

### Product specifications

**Size:** 24x200 mm.

**Weight:** 220 g.

**Charger operating power:** DC4.2V

**Battery:** Lithium ion battery

**Battery capacity:** 2200mAh

**Battery power:** 100-240 VAC/50-60Hz/max.

**Operating temperature:** 10°C to 40°C

**Charging time:** about 8 hours (with completely empty battery)

**Operating time:** 20 sec.

**Wavelength:** 450-480nm

**Light intensity:** more than 1000 mw/cm<sup>2</sup>

**Light width:** 8 mm.

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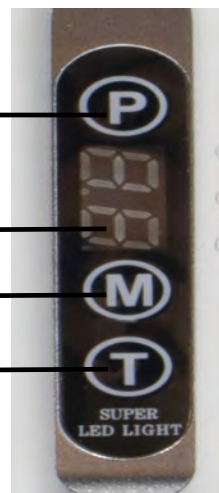
### Display

1 Start or On/Off

2 Digitale display

3 Mode choice

4 Time setting



**Start of On/Off button (P):** press this button to start light curing and then to stop working.

**Mode choice (M):** press the button and you can choose between three settings: 1, 2, 3.

Digital display of the corresponding number (standard mode is 1).

1: Full power, set the time to full power. Continuous light curing for the set time.

2: The pulsing/build-up mode, the set time, for the 10 seconds of light curing at full power, low power for the start of the day, allowing time for the light to reach full power.

3: Flash mode: set the time, one second of bright light curing, pause for one second, until the end of the time.

**Time settings (T):** press the button to operate the Light Curing handunit when the timer is set to 10, 20, 30, or 40 seconds of curing time (standard operating time is 20 seconds).

### Operating

1. The Light Curing handunit is set to a standard curing time of 20 seconds at full power (mode = 01). Press the ON/OFF (P) button to start the unit (in standby mode) and press the (P button) again to start the timer and turn on the light (curing starts).

2. The Light Curing handunit is equipped with a timer button (T) that allows the curing time to be adjusted to 10, 20, 30, and 40 seconds.

3. The Light Curing handunit also has three different settings for adjusting the power output. This can be adjusted using the (M) mode button. There are 3 different modes (01 = full, 02 = build-up, and 03 = flash). Use mode '01,' as this mode provides the highest output.

4. When a curing time has been completed, another curing cycle can be started by pressing the 'P' button.

5. The Light Curing handunit has an acoustic signal that gives a sound every 5 seconds until the end of the curing time.

6. When the Light Curing handunit is placed in the charging station and switched off (no lights or numbers are displayed on the digital display), the Light Curing handunit is put into standby mode by pressing the on/off button (P).

7. The Light Curing handunit switches itself off when it has not been used for 2 minutes and will give an acoustic signal. The Light Curing handunit switches itself off automatically to save battery power.

8. The Light Curing handunit uses very little energy when switched off (less than 3uA), as a result, 'when the battery is fully charged and the lamp is not in use,' the Light Curing handunit can survive for four months without recharging. Only after 4 months does it need to be recharged to work again. Once recharged, it will start working again by pressing the P button twice, as explained in step 1.

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### Attention

1. Please read the manual before using the LED lamp cordless/LED Light Curing lamp. We are not responsible if you use the LED lamp cordless/LED Light Curing lamp in the wrong way.
2. Replace the optical fibre if it is clearly/visibly damaged or cracked, as a damaged optical fibre will negatively affect the curing of the light-curing filler.
3. Sterilisation of the optical fiber: soak the optical fiber in 75% alcohol for a few minutes.
4. Please draw the plugs of charger from the adapter plug when the LED lamp cordless is full of power..
5. When the lamp's battery voltage is low, the lamp will make an acoustic signal and the display will flash. At this point, you should charge the lamp.
6. Please do not use any other electrical cables/chargers than those originally supplied with the LED lamp cordless, otherwise damage to the lamp and the user may occur.
7. Do not use any electrical cables/chargers other than those originally supplied with the LED Light Curing lamp, as this may cause damage to the lamp and the user.
8. The warranty will be void if you make any modifications/repairs to the product yourself.

### After sales service

The warranty does not apply to the optical fiber, and the warranty on the rechargeable battery is 1 year.

We will only charge for maintenance/repairs if the damage was caused by one of the following circumstances:

1. The damage was caused by the users because the lamp was not used correctly, was not maintained correctly, was not stored correctly or was handled carelessly.
2. The damage was caused because the user opened/repared the lamp themselves.
3. The damage was caused because users used a different battery with different performance parameters than the original rechargeable battery supplied.
4. The damage was caused by the user without reasonable cause.
5. When the warranty period has expired.

### Box contains:

- Hands unit - 1 piece
- Charging station - 1 piece
- Optical fiber - 1 piece
- Charging cable - 1 piece
- Light-resistant screen (orange) - 1 piece
- Adapter plug - 1 piece
- Instruction manual - 1 piece







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