

# LumaCool™

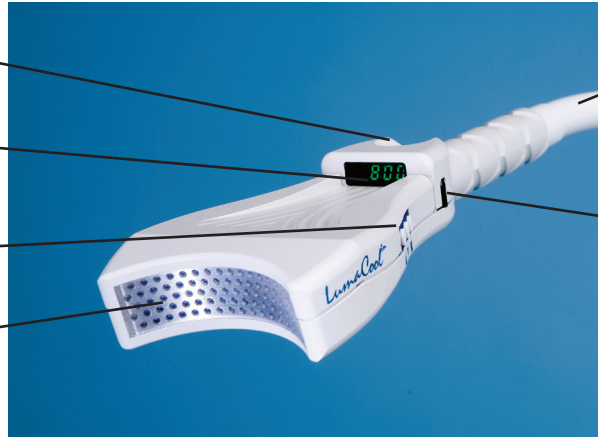
## Whitening System

Optical Sensor  
provides hands-free  
on/off control

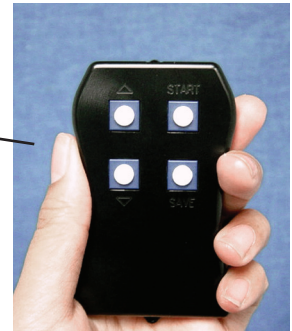
Timer display is easy  
for both dentist and  
patient to read

Manual timer  
controls

Reliable L.E.D.'s  
provide **COOL** light  
source



Adjustable arm makes  
light easy to position



Remote control

## What makes **LumaCool** so Effective?

Tooth whitening chemistry is simple.  $H_2O_2$  (Hydrogen Peroxide) breaks down, the resulting free radical (Oxygen molecules) penetrate the enamel and dissolve the chromogenic molecules that cause the staining and discolorization of the teeth.  $H_2O_2$  dissociates faster and more efficiently upon exposure to a specific wavelength of light energy. The L.E.D. technology in the **LumaCool** generates that specific wavelength, without heat, which facilitates the catalyst in the  $H_2O_2$  gel to release the free radicals faster and more efficiently.

### Base Assembly or Pole Mount

- Built-in tray on Base Assembly provides easy access to the whitening material
- Wheels on Base Assembly allow the system to be easily rolled between exam/treatment rooms
- Approximately 1 ½ square feet (.2 sq meters) of floor space required for base assembly
- Less than 3 feet (1 meter) in height from floor to the top of the tray on Base Assembly
- Pole Mount version attaches to most existing dental chair poles, no floor space needed



### Specifications

- AC input voltage- 100V AC - 240VAC
- AC frequency- 50Hz- 60Hz
- AC connector- IEC 320/13
- DC output voltage- 24V
- Light Spectrum- 380nm to 530nm



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# LumaCool™

## Whitening System

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### *The **COOL** Way to Whiten Teeth*

The LumaCool Whitening System uses L.E.D. (Light Emitting Diode) technology to produce a high speed, safe and cool in-office power whitening system. This "**COOL**" light technology makes the process easier and safer and the patients are more comfortable.

### ***L.E.D. Technology***

Light Emitting Diode's do not produce light by the heating of metal filaments as do other light sources, but rather the light is produced by a quantum mechanical effect. This efficiently converts electricity to light with a minimum of heat generated.

- In-office whitening in 24 minutes
- Fastest, easiest way to a whiter, brighter smile
- Works with most whitening materials currently available
- Comfortable for the patient
- Simple to use, easy to operate
- Works with any voltage
- No bulbs to replace



**LUMALITE™**

ISO 9001:2000  
ISO 13485 Compliant  
Certificate Number: A2386US