

beyond™

Cordless LED mini curing light



beyond™ Dental & Health

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beyond™ Cordless LED curing light CL-628

Innovative Treatment Solutions from BEYOND®

Recent advances in aesthetic dentistry have pushed the boundaries of treatment across the entire field. Unfortunately, not all areas have advanced at the same pace, creating incompatibility issues. In particular, the cosmetic restoration industry is the most affected by this, with LED curing light and composite material innovations moving in opposite directions. Fortunately, BEYOND® has introduced a solution to this problem through our development of the BEYOND® LED Mini Curing Light.

A cordless, rechargeable device that can fit into a shirt pocket, the BEYOND® LED Mini Curing Light is the perfect combination of powerful, lightweight design and advanced LED technology. Designed to accommodate new composite materials, the BEYOND® LED Mini Curing Light has a wider range of wavelengths and curing speeds available for curing ANY existing composite material.

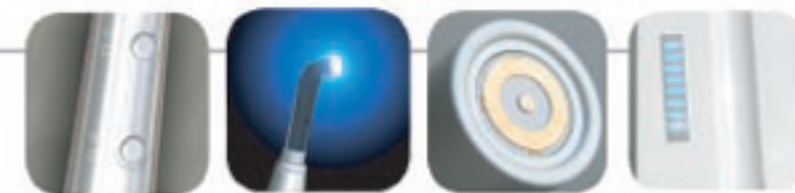
The Science behind Curing Composite Materials

Traditional light-cured dental restorative composites and materials use the chemical compound camphorquinone (CPQ or CQ) as an activator for polymerization. When CPQ is exposed to LED blue light with a longer, approximately 480nm (nanometers) wavelength, the material initiates the reaction that converts monomer molecules to polymers, resulting in the hardened composite material. Although CPQ is the most common restorative composite material in use, its noticeable yellowish color following curing has become an issue in today's cosmetic dental industry.

Some of the newer composite materials that have been developed use the compound phenyl-propanedione (PPD) because it is more neutral in color when cured. However, PPD materials require shorter, approximately 400nm wavelengths of light to be cured effectively. Although curing lights with halogen bulbs will activate PPD materials, these lights cannot emit the shorter wavelength light at a high enough intensity to cure PPD materials effectively.

BEYOND® LED Mini Curing Light Specifications

The BEYOND® LED Mini Curing Light has been developed with a dual wavelengths curing system to enable effective curing of any light initiated compound on the market today. By providing high-intensity LED curing at both the shorter 400nm wavelength range, as well as the longer 480nm wavelength range, the BEYOND® LED Mini Curing Light can cure both the traditional CPQ and the newer PPD materials at the necessary intensity. A beautifully designed, cordless curing solution, the lightweight BEYOND® LED Mini Curing Light is priced attractively and is guaranteed to become a welcome addition to your practice or product offerings.



BEYOND® LED Mini Curing Light System Features:

- High-powered curing with a slimmed-down design
- Curing power of up to 110mw/cm²
- Dual wavelengths system able to cure any dental composite material
- Two timer options: Intense, 10 second curing function and five second, ramp-up followed by intense, 10 second curing function
- Compatible with PPD and CPQ photo-initiators
- Cordless with a long-lasting, rechargeable lithium ion battery
- Worldwide input voltage 100-240VAC

Complete Package Includes:

- BEYOND® LED Mini Curing Light
- Rechargeable lithium ion battery
- Fiber light-transmission tube
- Shorter wavelength adapting lens for curing PPD composites
- Resin curing test plate
- Light shield
- BEYOND® Soft-Grip Comfort Sleeve
- Charging base and power cord
- Instruction manual and warranty card*



*The BEYOND® LED Mini Curing Light comes with a three-year manufacturers warranty. Please see warranty card included with system for more details.

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