3M Science. Applied to Life.™

Have confidence in a deep, uniform cure.

3M™ Elipar™ DeepCure-S LED Curing Light

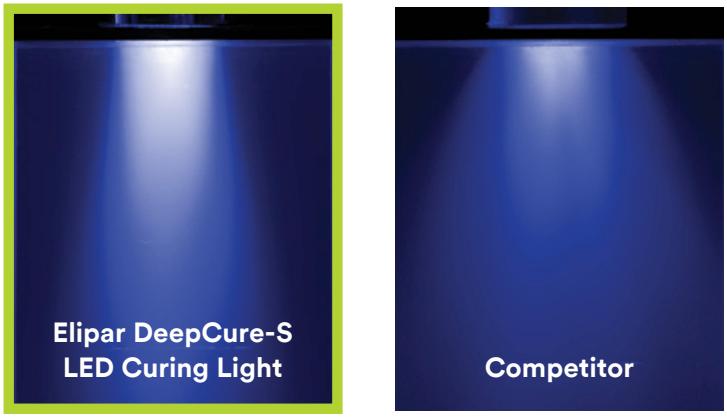
Be sure of your cure.

Can you effectively polymerize resin composite material deep in the cavity? We took this as a challenge and created a new high-performing light that delivers a focused output of 1,470 mW/cm².

Due to optimized optics, you can be confident that your restorations will have a deep, uniform cure—from center to rim, from surface to cavity bottom and at clinically relevant distances.

More homogeneous energy distribution throughout the restoration. Images comparing light penetration show the 3M™ Elipar™ DeepCure-S LED Curing Light produces a more collimated and uniform beam profile—even in deeper areas—than a competitive curing light.
Source: 3M internal data.

Comparison of light penetration



1. 3M internal data.

Summary of advantages

- More collimated and uniform beam profile even in deeper areas than other light curing devices tested[1]
- A predictable, reliable cure, even at the bottom of the proximal box
- High depth of cure, especially if light positioning is difficult
- Optimized light guide geometry allows easy access to all tooth surfaces
- High-quality, durable stainless steel

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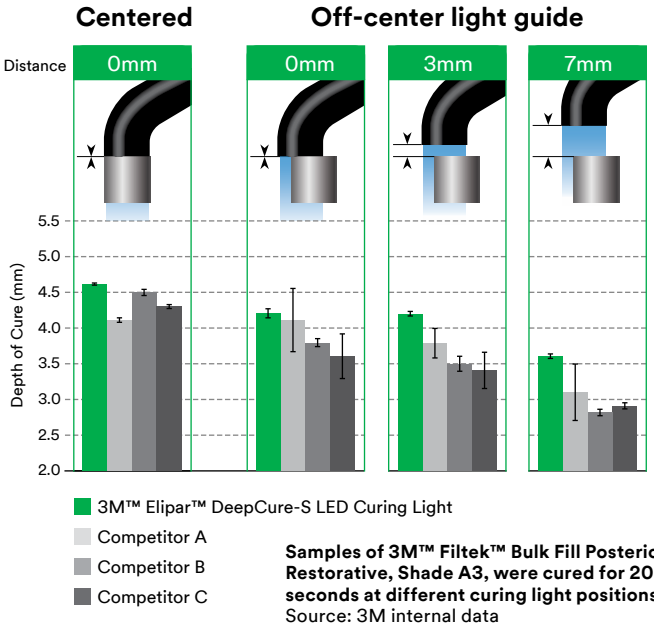
What does a deep, uniform cure mean for your clinical results?

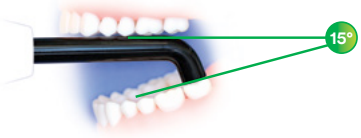
It means a high depth of cure, especially if the light positioning is difficult. The Elipar DeepCure-S LED Curing Light helps to compensate for slight movements during curing, delivering a high depth of cure, as shown below.

Depth of cure (mm) for various positions



Samples of 3M™ Filtek™ Bulk Fill Posterior Restorative, Shade A3, were cured for 20 seconds at different curing light positions.
Source: 3M internal data

Designed for comfort.



The light guide of the Elipar DeepCure-S light is designed with an optimum angle and height that makes it more comfortable for patients—even those with limited mouth-opening abilities. Clinicians also find it comfortable to use, with easier access to all tooth surfaces, even in the hard-to-reach posterior area.

Technical Performance Data

Wavelength	430–480 nm
Light intensity	1,470 mW/cm² (-10%/+20%)
Power supply	Lithium-ion battery Approx. 120 min. battery runtime (~720 10-sec. cures) with constant light output regardless of battery charge
Operation	Intuitive two-button and single-mode operation Pre-set cure times: 5, 10, 15 and 20 sec., continuous mode (120 sec.) and tack cure mode
Curing time	Refer to material instructions; 10 sec. for many composites
Light guide	10 mm; black coated; autoclavable; optimal intraoral reach due to user- and patient-friendly geometry

Ordering Information—Stainless Steel

Item #	Product Information
76976	**3M™ Elipar™ DeepCure-S LED Curing Light** Contains: Handpiece (Cordless), Charging Base; Li-ion Battery; 10mm Light Guide; Eye Shield
76981	**3M™ Elipar™ DeepCure-S Light Guide**, 10mm
76984	**3M™ Elipar™ DeepCure Eye Shield**
76985	**3M™ Elipar™ DeepCure-S Rechargeable Li-ion Battery**

www.3M.com/CuringLights

3M Oral Care
2510 Conway Avenue
St. Paul, MN 55144-1000 USA
Phone 1-800-634-2249
Web 3M.com/dental

3M Canada
Post Office Box 5757
London, Ontario N6A 4T1
Canada
Phone 1-888-363-3685

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