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.

1. 3M internal data.

Summary of advantages

- More collimated and uniform beam profile even in deeper areas than other light curing devices tested¹
- 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
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**

<table>
<thead>
<tr>
<th>Distance (mm)</th>
<th>Centered</th>
<th>Off-center light guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td><img src="image1.png" alt="Graph" /></td>
<td><img src="image2.png" alt="Graph" /></td>
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<tr>
<td>3</td>
<td><img src="image3.png" alt="Graph" /></td>
<td><img src="image4.png" alt="Graph" /></td>
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<tr>
<td>7</td>
<td><img src="image5.png" alt="Graph" /></td>
<td><img src="image6.png" alt="Graph" /></td>
</tr>
</tbody>
</table>

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

**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**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Product Information</th>
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<tbody>
<tr>
<td>76976</td>
<td>3M™ Elipar™ DeepCure-S LED Curing Light</td>
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<tr>
<td></td>
<td>Contains: Handpiece (Cordless), Charging Base; Li-ion Battery; 10mm Light Guide; Eye Shield</td>
</tr>
<tr>
<td>76981</td>
<td>3M™ Elipar™ DeepCure-S Light Guide, 10mm</td>
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<tr>
<td>76984</td>
<td>3M™ Elipar™ DeepCure Eye Shield</td>
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<tr>
<td>76985</td>
<td>3M™ Elipar™ DeepCure-S Rechargeable Li-ion Battery</td>
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www.3M.com/CuringLights

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