

3M Science.
Applied to Life.™

**3M™ Elipar™ DeepCure
LED Curing Lights**

**Have
confidence
in a deep,
uniform cure.**



Be sure of your cure.

Do you frequently use posterior or bulk fill materials?

Research shows that 69% of dentists who place bulk fill restorations are not confident of polymerisation deep in the cavity.¹ 3M Dental took this as a challenge – and answered with Elipar™ DeepCure LED Curing Lights. Dentists can choose from two models to match their preference: a high-quality, durable stainless steel version, or an equally high-performing lightweight model.



Light Beam Profiles showing uniformity and intensity of various lights

Elipar™ DeepCure LED Curing Lights. A deep, uniform cure.

Elipar™ DeepCure LED Curing Lights hold true to their name. Due to optimised optics, you can be confident that your restorations will have a deep, uniform cure ... from centre to rim – from surface to cavity bottom – and at clinically relevant distances. Laboratory test results prove why.

Figure 1: 3D Beam profile Imaging: Better light uniformity and intensity distribution at clinically relevant distances. 3D images of beam profiles were used to compare output of the Elipar™ DeepCure LED Curing Lights to that of various light curing devices. Measured spectrum: 420-540 nm. Most curing lights showed a significant drop of irradiance over clinically relevant distances.

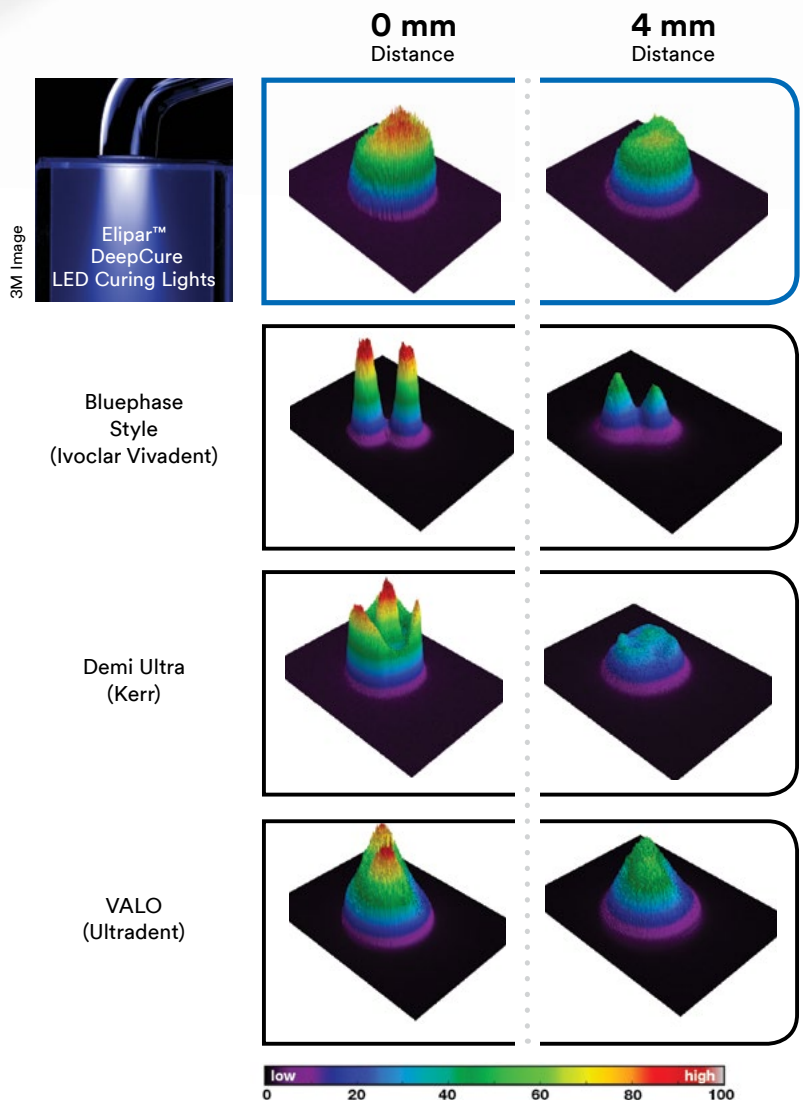
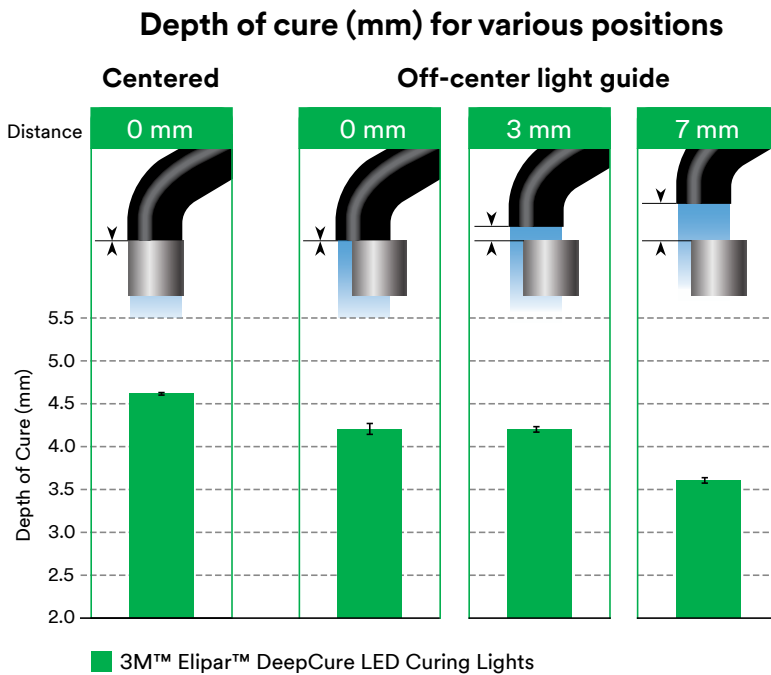


Fig 1: 3D Beam Profile Imaging (%): 100% = Maximum Irradiance
Source: BlueLight Analytics Inc.

What does this mean for your clinical results?

It means a significantly better depth of cure, even when perfect light positioning is difficult.

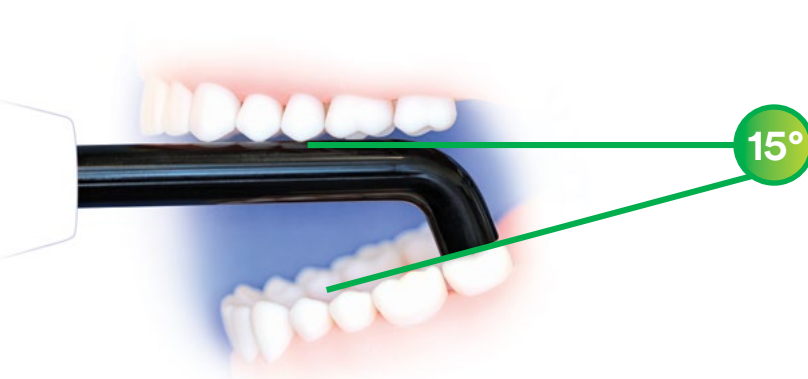
3M™ Elipar™ DeepCure LED Curing Lights help to compensate for slight movements during curing, delivering a high depth of cure, as shown below.



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 guides of the Elipar™ DeepCure LED curing lights are designed with an optimum angle and height that make 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.



Dentist satisfaction ratings*

98% were **satisfied** or **very satisfied** with the light.

90% said it **increases confidence** of a full cure to the bottom of the proximal box.

88% felt it made the curing process **less sensitive to user variability**.

*Source: Application test conducted with dentists in the U.S.A., Germany, Turkey and Denmark. n=1200 restorations.

For all clinical procedures where light curing matters.

The Elipar™ DeepCure LED curing lights can be used with all 3M materials to produce reliable results.**

- 3M™ Filtek™ Composites
- 3M™ Scotchbond™ Universal Adhesive
- 3M™ RelyX™ Cements
- 3M™ Clinpro™ Sealant



**3M™ Elipar™ DeepCure LED Curing Lights are compatible with all campherquinone- and Ivocerin-based photoinitiators.

Choose from two models, both with identical technical performance.

Elipar™ DeepCure-S LED Curing Light

For dentists who enjoy the look, feel and durability of high-quality, stainless steel



Elipar™ DeepCure-L LED Curing Light

For dentists who want high performance in a lightweight model



Technical Performance Data for Both Models

Wavelength	430–480 nm
Light intensity	1,470 mW/cm ² (-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 seconds, 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
76978	3M™ Elipar™ DeepCure-S LED Curing Light Contains: Handpiece (Cordless), Charging Base (230V); Li-ion Battery; 10 mm Light Guide; Eye Shield
76981	3M™ Elipar™ DeepCure-S Light Guide, 10 mm
76984	3M™ Elipar™ DeepCure Eye Shield
76985	3M™ Elipar™ DeepCure-S Rechargeable Li-ion Battery

Ordering Information—Lightweight

Item #	Product Information
76973	3M™ Elipar™ DeepCure-L LED Curing Light Contains: Handpiece (built-in Li-ion battery); Universal Power Supply with 5 adaptors; 10 mm Light Guide; Eye Shield; 3 Curing Discs
76983	3M™ Elipar™ DeepCure-L Light Guide, 10 mm
76984	3M™ Elipar™ DeepCure Eye Shield
76965	3M™ Elipar™ DeepCure-L Curing Discs (5 pcs.)

Visit

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