

3M Science.
Applied to Life.™

3M™ ESPE™ Elipar™ DeepCure

Deep down you need a better light

**40 years
experience**

in LED Curing Lights



Provides security by bringing light into the darkness.

Play safe when it comes to polymerisation.

Research shows that 69% of dentists who place bulk fill restorations are not confident of polymerization deep in the cavity.¹ 3M 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.

A deep, uniform cure.

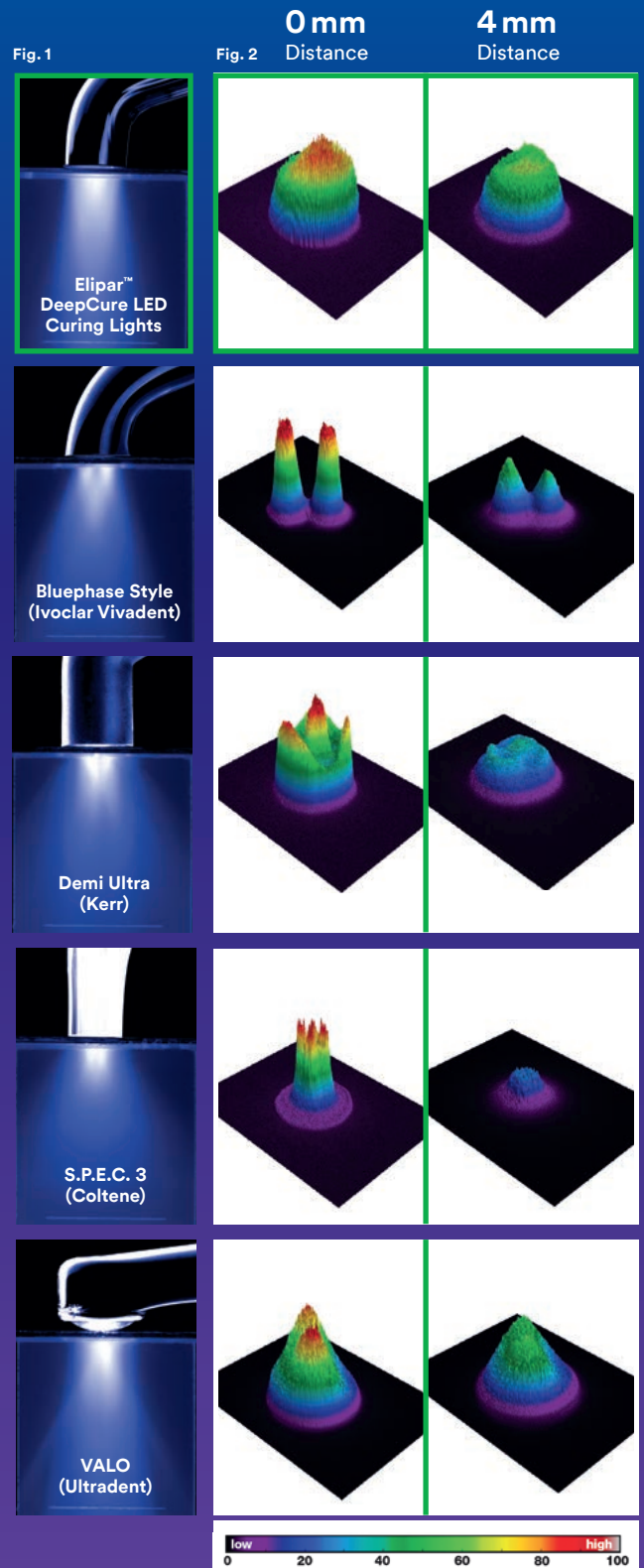
Elipar DeepCure LED Curing Lights hold true to their name. Due to optimized optics, you can be confident that your restorations will have a deep, uniform cure ... from center to rim – from surface to cavity bottom – and at clinically relevant distances. Laboratory test results prove why.



Figure 1: More homogeneous energy distribution throughout the restoration. Images comparing the light penetration of various light curing devices show that the Elipar™ DeepCure LED Curing Lights produce a more collimated and uniform beam profile – even in deeper areas. Source: 3M internal data. Data available on request at 3M. Contact see back side.

Figure 2: 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. Wave length: 420 – 540nm. Most curing lights showed a significant drop of irradiance over clinically relevant distances. Source: BlueLight Analytics Inc.

Uniform Beam Profile



1. Clinicians Report, October 2014, Volume 7, Issue 10.

3D Beam Profile Imaging (%): 100% = Maximum Irradiance

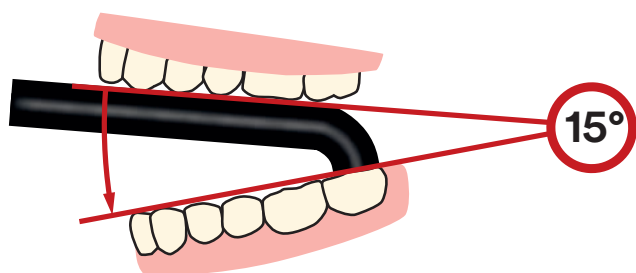
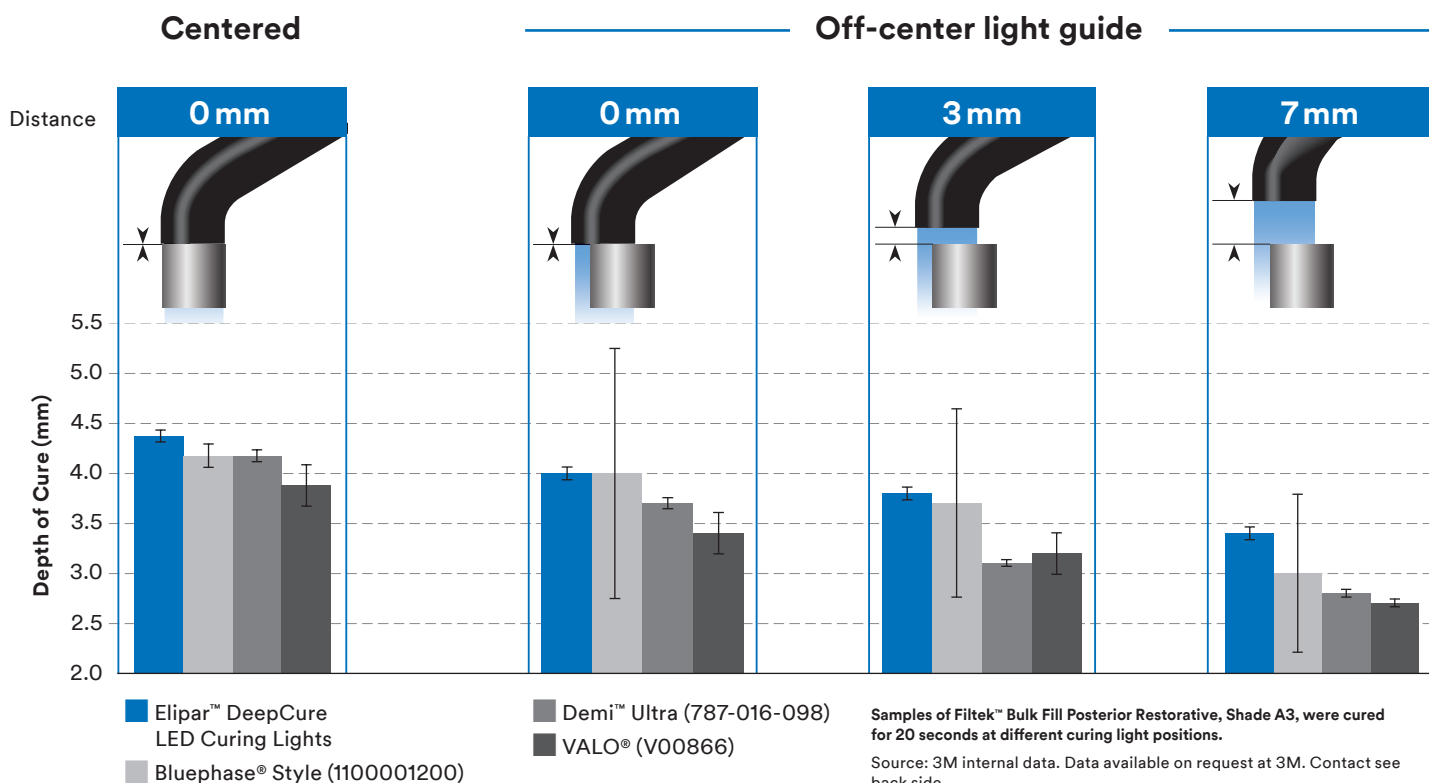
What does this mean for your clinical results?

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

Elipar DeepCure LED Curing Lights help to compensate for slight movements during curing, delivering the highest depth of cure, as shown below.



Depth-of-cure (mm) for various positions



Designed for comfort

The light guide of the Elipar DeepCure light is 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.

Creates enthusiasm and confidence among its users.*



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.

For all clinical procedures where light curing matters.

Elipar DeepCure LED Curing Lights can be used with all 3M materials to produce reliable results.**

- 3M™ ESPE™ Filtek™ Composites
- 3M™ ESPE™ Scotchbond™ Universal Adhesive
- 3M™ ESPE™ RelyX™ Cements
- 3M™ ESPE™ Clinpro™ Sealant
- 3M™ ESPE™ Photac™ Fil Quick Aplicap™ Light-Curing Glass Ionomer Restorative Material

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



Two powerful models for a reliable polymerisation.

3M™ ESPE™ Elipar™ DeepCure-S LED Curing Light

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



3M™ ESPE™ Elipar™ DeepCure-L LED Curing Light

Combines low weight with maximum efficiency.



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 No.	Product Information
76975	Elipar™ DeepCure-S LED Curing Light Contains: Handpiece (Cordless), Charging Base (230 V); Li-ion Battery; 10 mm Light Guide; Eye Shield
76981	Elipar™ DeepCure-S Light Guide, 10 mm
76984	Elipar™ DeepCure Eye Shield
76985	Elipar™ DeepCure-S Rechargeable Li-ion Battery



Lightweight

Item No.	Product Information
76973	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	Elipar™ DeepCure-L Light Guide, 10 mm
76984	Elipar™ DeepCure Eye Shield
76965	Elipar™ DeepCure-L Curing Discs (5 pcs.)

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