

# Elipar™ DeepCure

LED Curing Lights



Deep down  
you need a better light.

# 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 polymerization deep in the cavity.<sup>1</sup>

3M ESPE 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.

## Elipar™ DeepCure LED Curing Lights

A deep,  
uniform cure.

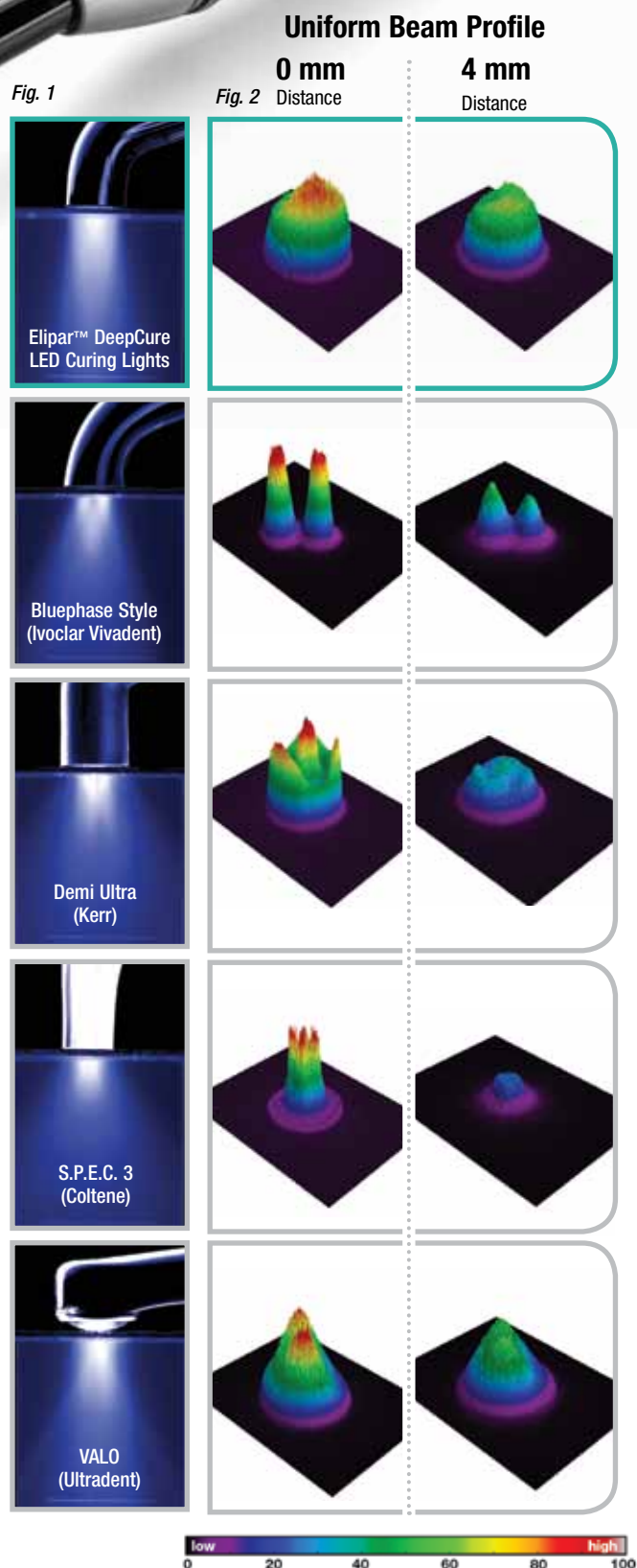
Elipar DeepCure LED Curing Lights hold true to their name. Due to optimized optics, you can be confident that your restorations will have a deep, uniform cure ... from center to rim—from surface to cavity bottom—and at clinically relevant distances. Laboratory test results prove why.

**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 ESPE Dental internal data

**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. Measured spectrum: 420–540 nm. Most curing lights showed a significant drop of irradiance over clinically relevant distances.

Source: BlueLight Analytics Inc.

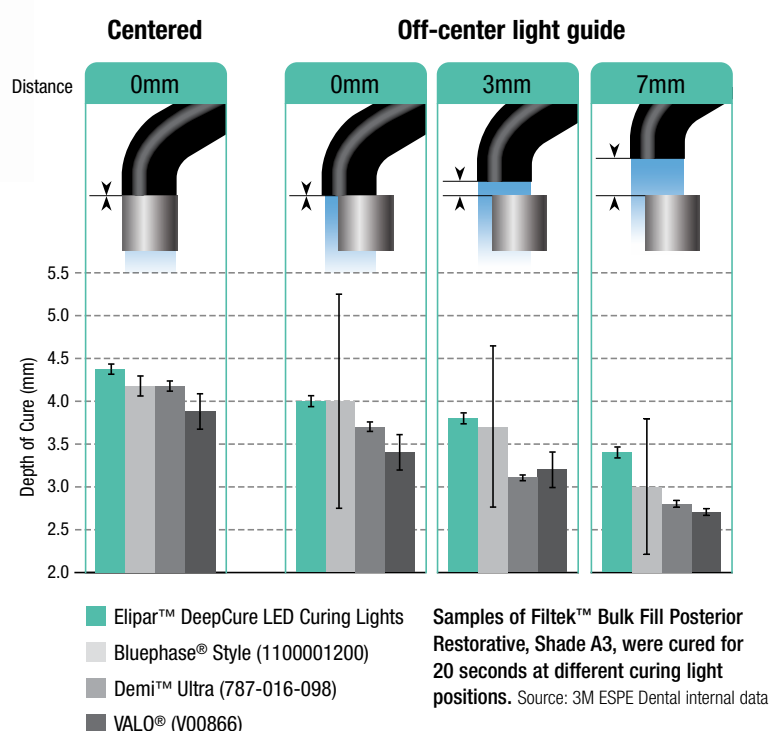


# What does this mean for your clinical results?

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

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



## For all clinical procedures

where light curing matters.

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

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



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

## 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.

# 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

One-piece stainless steel housing

Fan-free for silent operation

Weight: 250 g

Unique, magnetic light guide mount for quick and easy attachment and 360° rotation

No seams or vents for fast and easy cleaning and disinfection—sealed against contamination

Glass ceramic coating—protects against stain and fingerprints

Tool-free battery exchange by user

Charging base with built-in light intensity meter and battery charge indicator. Charging time for drained battery approx. 90 min.

## Elipar™ DeepCure-L LED Curing Light

For dentists who want high performance in a lightweight model

Robust plastic housing

Fan-free for silent operation

Weight: 180 g

Friction-fit, 360° rotating light guide mount

Vent-free for fast and easy cleaning and disinfection

Built-in battery—exchange via customer service

Charging plug. Charging time for drained battery approx. 120 min.

### Technical Performance Data for both models

Wavelength	430-480 nm
Light intensity	1.470 mW/cm <sup>2</sup> (-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
76975	<b>Elipar™ DeepCure-S LED Curing Light</b> Contains: Handpiece (Cordless), Charging Base (230V); Li-ion Battery; 10mm Light Guide; Eye Shield
76981	Elipar™ DeepCure-S Light Guide, 10mm
76984	Elipar™ DeepCure Eye Shield
76985	Elipar™ DeepCure-S Rechargeable Li-ion Battery

### Ordering Information—Lightweight

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



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