

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.¹ 3M ESPE 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.

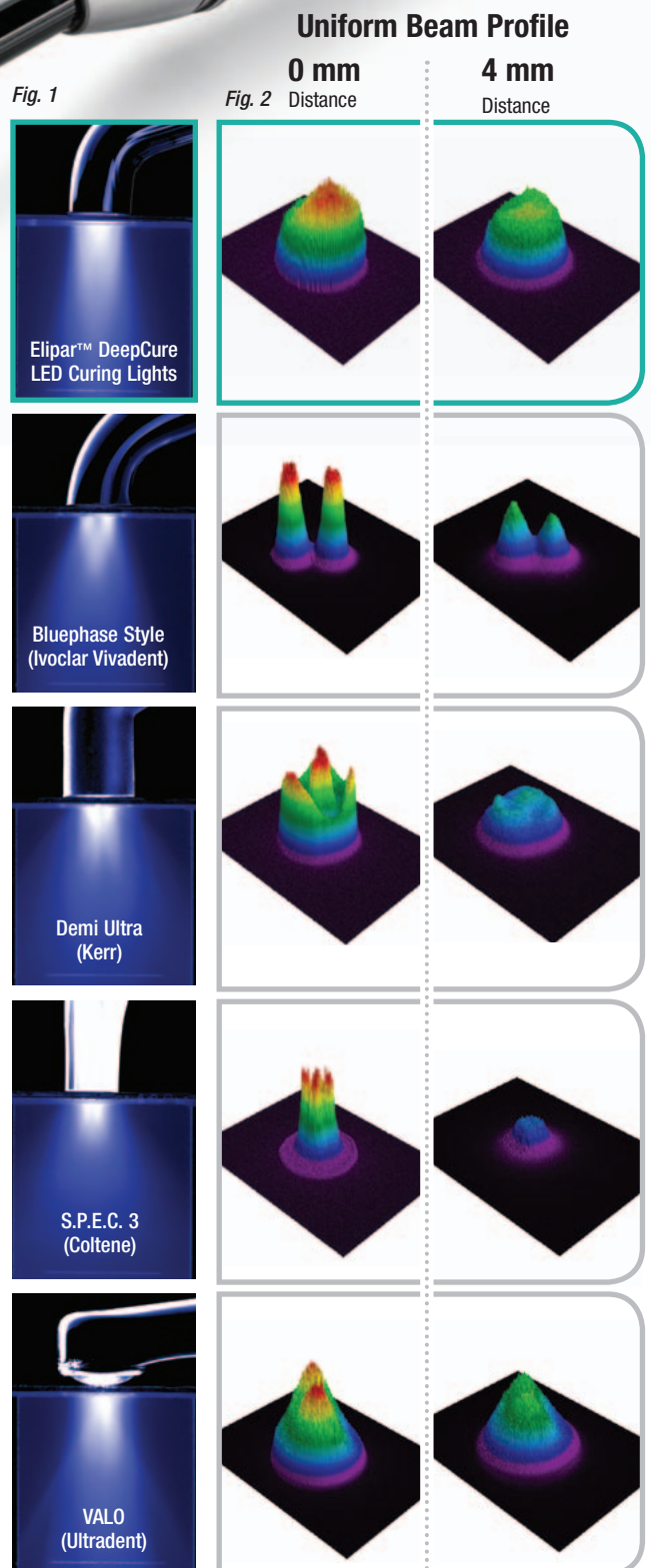
Elipar DeepCure LED Curing Lights hold true to their name. Due to optimized optics, you can be confident that your restorations will have a deep, uniform cure ... from center to rim—from surface to cavity bottom—and at clinically relevant distances. Laboratory test results prove why.

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 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. Wave length: 420-540 nm. Most curing lights showed a significant drop of irradiance over clinically relevant distances.

Source: BlueLight Analytics Inc.



low 20 40 60 80 high 100

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

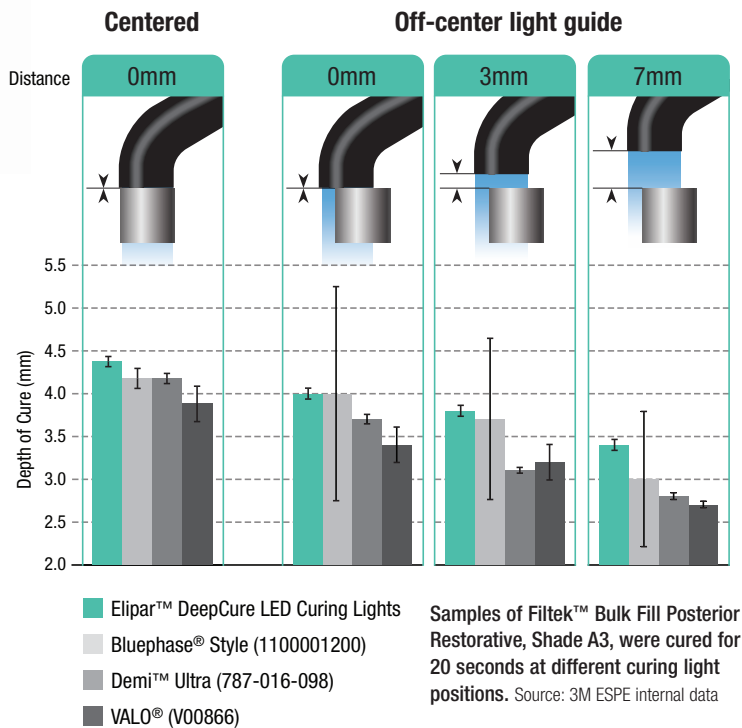
1. Clinicians Report, October 2014, Volume 7, Issue 10.

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 materials to produce reliable results.*

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



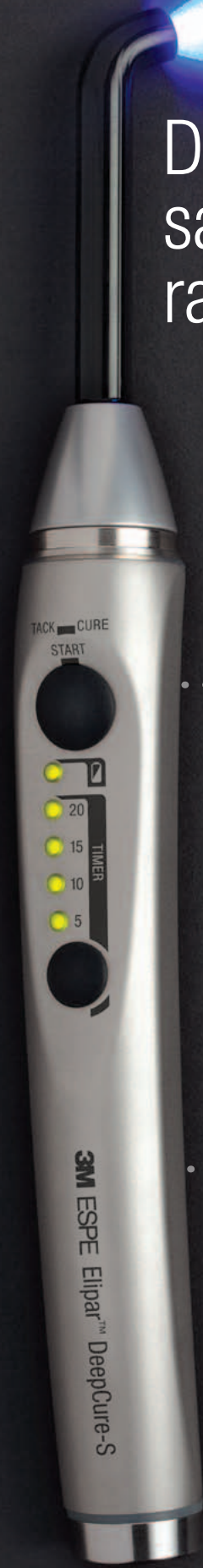
*Elipar DeepCure LED Curing Lights are compatible with all campherquinone- and Ivocerin-based photoinitiators.

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.

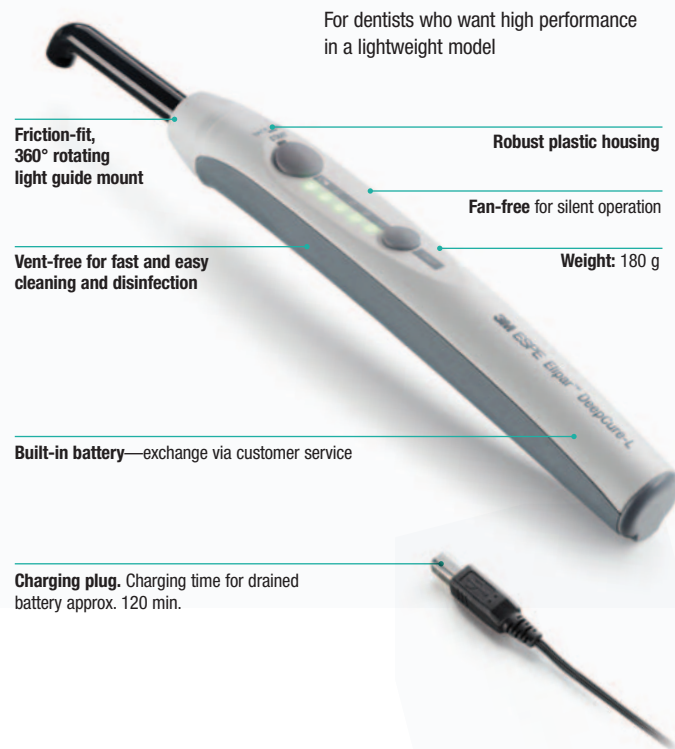
Elipar™ DeepCure-S LED Curing Light

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



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
76975	Elipar™ DeepCure-S LED Curing Light 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	Elipar™ DeepCure-L LED Curing Light 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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3M ESPE

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