

3M Science.
Applied to Life.™



3M™ Elipar™ DeepCure-S
LED Curing Light
Manufactured by 3M

VS

VALO® Grand
LED Curing Light
Manufactured by Ultradent

3M™ Elipar™ DeepCure-S LED Curing Light:
4 reasons to choose over VALO® Grand LED Curing Light

- 1** Depth of cure
- 2** Light uniformity & intensity distribution
- 3** Battery charging & runtime
- 4** Sterilization

1 Depth of cure of different filling materials

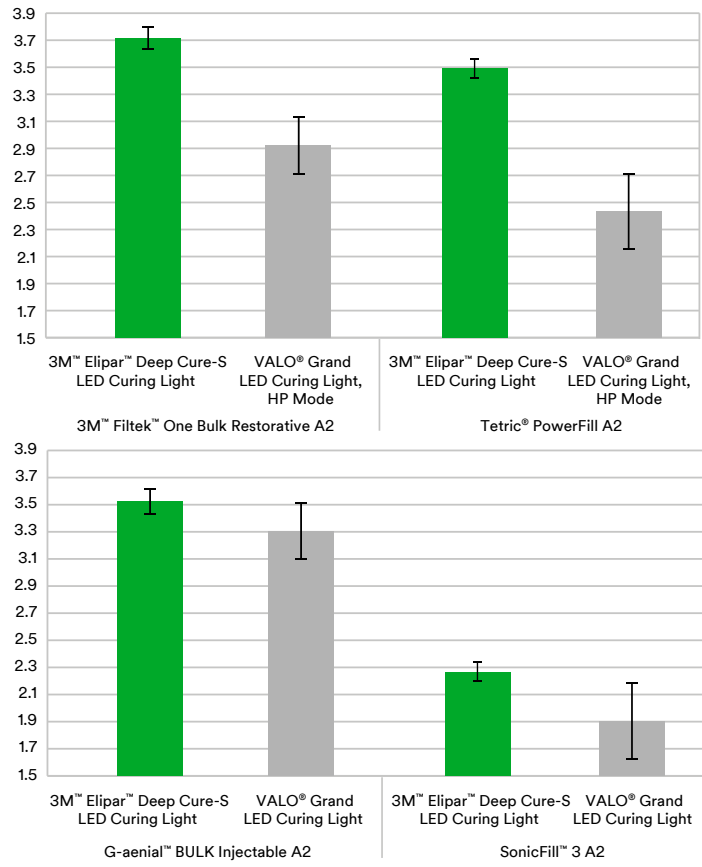


Fig. 1: Depth of cure with non-ideal conditions. Distance between tip and specimen was 5 mm and the positions moved. Graph shows average values. Curing time according to manufacturer's instructions for use. Measurement according to modified ISO 4049.
Source: 3M internal data

2 Light uniformity and intensity distribution

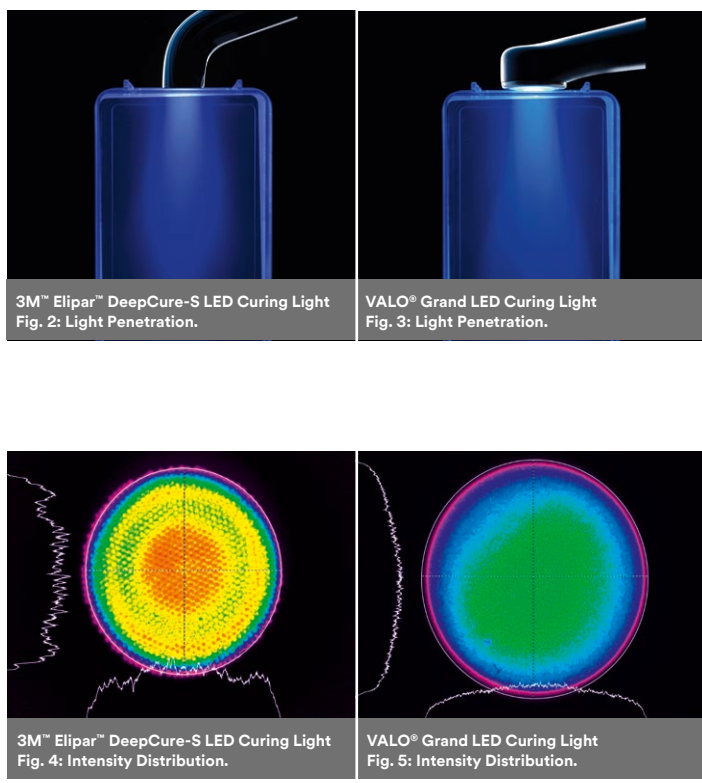


Fig. 2-5: More homogeneous energy distribution throughout the restoration. Images comparing light penetration show the 3M™ Elipar™ DeepCure-S LED Curing Light produces a more collimated and uniform beam profile – even in deeper areas – than VALO® Grand LED Curing Light. Due to Elipar DeepCure-S LED Curing Light's optimized optics restorations have a deep, uniform cure – from center to rim, from surface to cavity bottom and at clinically relevant distances.
Source: 3M internal data

3 Less steps for battery charging and longer runtime with one battery charge



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Fig. 6: Battery recharging with 3M™ Elipar™ DeepCure-S Light Guide.
Source: 3M internal data

Fig. 7: Battery recharging steps with VALO® Grand LED Curing Light.
Source: Ultradent VALO® Grand LED Curing Light Instructions for use no. 1003883.7 080318

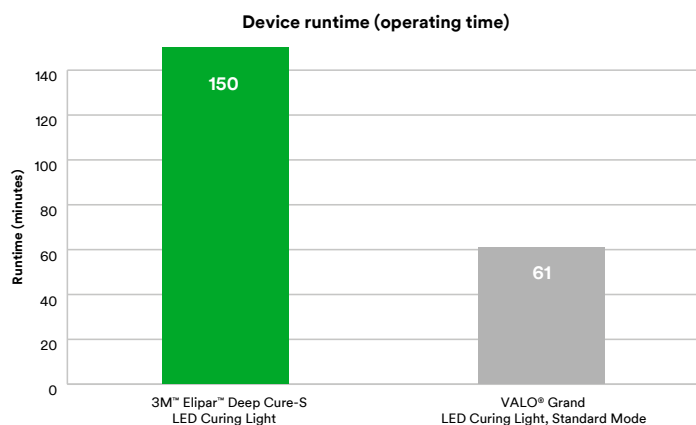


Fig. 8: Runtime comparison with fully charged battery.
Source: 3M internal data

4 Sterilization

For high level disinfection, 3M™ Elipar™ DeepCure-S LED Curing Light offers a fully autoclavable light guide, unlike VALO® Grand LED Curing Light tips which comes along in one piece and must be manually disinfected.

Source: Ultradent VALO® Grand LED Curing Light Instructions for use no. 1003883.7 080318

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Fig. 9: 3M™ Elipar™ DeepCure-S LED Light Guide.



Fig. 10: VALO® Grand LED Curing Light.

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