

How well does your curing light perform?

Your Lights. Your Materials. Your Curing Times.

checkMARC® from BlueLight Analytics is the leading professional service (NIST standard) that provides evidence-based information to determine the curing time needed based on the curing lights and materials used in your clinic.

Fast Facts About Light Curing

- **Half of all dental income**¹ relies on the successful use of light-cured dental materials.
- **Every brand and shade** of light-cured composite requires a specific “dose” of blue light to polymerise.
- **Incomplete polymerisation** leads to increasing clinical problems^{2,3} (e.g., fracture, secondary decay, de-bonding, discolouration) and post-op sensitivity.

Light Curing Improvement Opportunities

A study⁴ of 915 curing lights in 422 dental clinics found that **73%** of test results identify the need for changes to clinical protocol:

- **30% delivered less than half** of the energy dose required by the selected dental material.
- **43% used extended curing times** (to ensure an adequate cure), unknowingly risking heat damage.

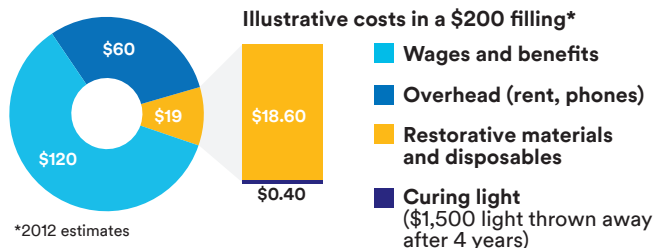
These dentists needed to modify their light-curing protocols, even between operatories, to reduce recall rates. Some needed at least one new curing light.

Contact your 3M Representative to book the checkMARC® Service today.



Did you know?

Over a 4-year life, the cost of a curing light averages out to be only about 40¢ of the total costs in a \$200 filling.*



Contact your 3M Representative to analyse your clinic's lights and the specific materials you use—so you know if your curing lights are performing properly or need to be replaced.

Provided for 3M by:



Your **Lights**. Your **Materials**. Your **Curing Times**.

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1. American Dental Association. (2007). *2005-06 Survey of Dental Services Rendered*. 1–181. American Dental Association. (2013). *Survey of fees*. Retrieved from: <http://www.toothnature.com/2013/07/survey-average-fee-charged-by-dentists.html>) Dental Revenue in the US. (2013). Retrieved from: <http://www.statista.com/statistics/296642/revenue-dentists-in-the-us/>)
2. American Dental Association. (2013). *Professional Product Review: Effective Use of Curing Lights — A Guide for the Dental Practitioner*. 8(2).
3. Canadian Dental Association CDA Essentials. (2014). *Light Curing Guidelines for Practitioners*. 1(6), 22–23.
4. International Association for Dental Research. (2015). *Curing Light Outputs, Protocols and Composite Requirements at 422 Dental Offices*. #3400.

*American Dental Association, 2012 estimates



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3M Oral Care

3M Australia Pty Limited
Building A, 1 Rivett Road
North Ryde, NSW 2113
1300 363 454
3M.com.au

3M New Zealand Limited
94 Apollo Drive
Rosedale, Auckland 0632
0800 80 81 82
3M.co.nz

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Australia 1300 363 454
New Zealand 0800 80 81 82