

Precise Lighting for Shade Matching

Ravichandran Varsha¹, Shivasakthy Manivasakan², David W Livingstone³, Albert Jenie Rosna⁴

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INTRODUCTION

A rite-lite 2-shade matching unit with HI-CRI (high color rendering index) LEDs is used to reproduce the visual spectrum as produced by natural sunlight. The diffused LED technology in this device aids in matching the shade for teeth and dental restorations with the simulation of various lighting conditions.

THREE MODES OFFERED BY THE RITE LITE 2 SHADE MATCHING UNIT

- Color-corrected light: 5,500° Kelvin (daylight)
- Incandescent, room light: 3,200° Kelvin (indoor environments)
- Ambient light: 3,900° Kelvin (a combination of room light and daylight)

¹Department of Prosthodontics, Indira Gandhi Institute of Dental Sciences, Salem, Tamil Nadu, India

^{2,3}Department of Prosthodontics and Crown and Bridge, Indira Gandhi Institute of Dental Sciences, Sri Balaji Vidyapeeth (a Deemed University), Pillayarkuppam, Puducherry, India

⁴Department of Prosthodontics, Indira Gandhi institute of Dental Sciences, Madurai, Tamil Nadu, India

Corresponding Author: Ravichandran Varsha, Department of Prosthodontics, Indira Gandhi Institute of Dental Sciences, Salem, Tamil Nadu, India, Phone: +91 9047049915, e-mail: varsha95chandran@gmail.com

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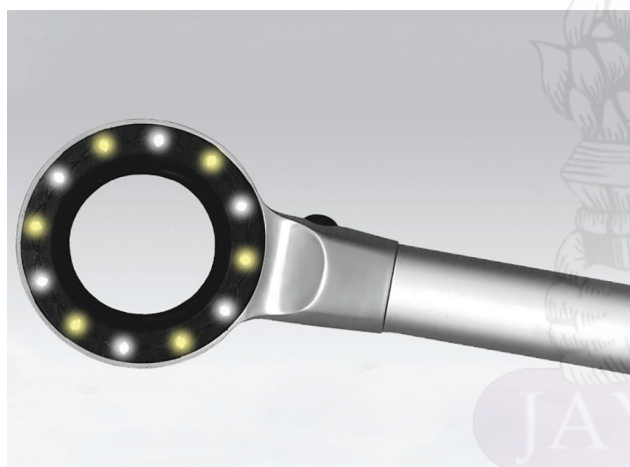


Fig. 1: Rite Lite 2 shade matching unit



Fig. 2: Neutralizing colour tabs

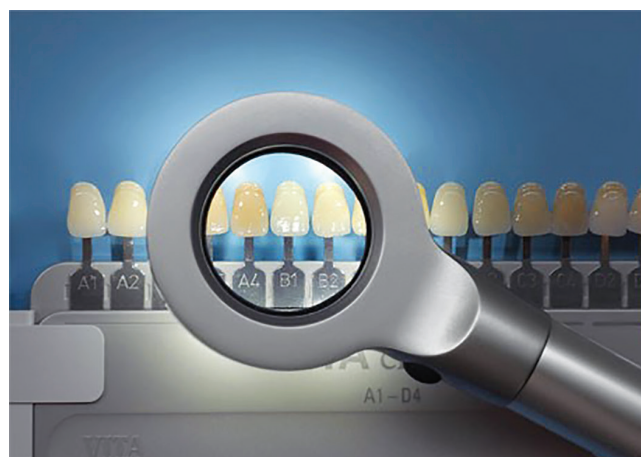


Fig. 3: Polarizing filter

FEATURES

- Portability
- 5,500° Kelvin, 3,200° Kelvin, 3,900° Kelvin
- HI-CRI LED light source
- Simulates three lighting conditions from one source and standardizes lighting conditions between multiple locations
- Controlled viewing area
- Neutralizing color tabs are included
- Battery operated
- Voltage regulator
- Low battery indicator

BENEFITS

Rite Lite 2 (Fig. 1) offers the choice between three simulated lighting conditions (daylight, incandescent, and ambient light) and it is easy to toggle between the three lighting conditions with a one-touch control. It reduces glare and reflective highlights and

eliminates shadowing from the upper lip; it distracts outside colour sources and colour distraction in oral cavity from interfering with shade selection. When neutralizing color tabs (Fig. 2) are placed behind the teeth, they eliminate colour distraction in the oral cavity. It is powered by two AA batteries and the LED provides 30,000 hours of life with a constant light output and a low battery indicator.

IMPROVED BUILT-IN FEATURE

This device has an accessory polarizing filter (Fig. 3) that can be attached. The polarizing filter is used to eliminate reflection and provides an enhanced visualization of tooth color, the internal details, individual characterization, and depth and transparency of the shade.

REFERENCE

www.addent.com

