

Features:

- Portability
- 5500°K^{1,2}
- Low Cost
- Easy To Use
- Neutralizing Color Tabs Included
- L.E.D. Light Source
- Controlled Viewing Area
- Battery Operated
- L.E.D. Provides Full Power Instantly



Benefits:

- No cumbersome cords
- Simulates north sky daylight²
- Pays for itself with the price of one remake
- On/Off button does not need to be held down
- Eliminates color distraction in the oral cavity
- Eliminates outside color sources from interfering with shade selection
- No warm up time required
- Takes 2 standard AA batteries
- L.E.D. provides 30,00 hours of life

Other AdDent Products



◀ CALSET™
Composite Warmer

TRIMAX™ ▶
Composite Instrument



◀ MICROLUX/DL™ Kit
with 6 bottles of
solution

MICROLUX™ ▶
Fiber-optic mirror
attachment



◀ MICROLUX™
Transiluminator

Rite^{lite}™

L.E.D. SHADE MATCHING LIGHT



New L.E.D. technology provides
fast, accurate and stress free
shade matching.

*Affordable, cordless and
maintenance free.*

How can the Rite-lite help my practice?

Getting the right shade the first time is never an easy task - even for the seasoned practitioner. By providing a "neutral" light environment around the restorative area, the process can be greatly simplified.

Factors affecting a shade match

- **Color Blindness** - 8% of males are color blind.
- **Emotions** - One's mental state affects color perception.
- **After Images** - Occur when a viewer looks at any colored objects.
- **Environment** - All color, including clothing, lip stick, and ambient light can adversely affect the shade matching process.
- **Aging** - The cornea and lens of the eye become yellowed. After age 60, blues and purples are significantly affected.
- **Chronic illness** - Diabetics are sensitive to red and green. Glaucoma decreases sensitivity to blue, green and yellow.
- **Medications** - Oral contraceptives cause red - green or yellow-blue discrimination defects. Other medications that can affect color vision include: Ibuprofen, Aspirin, Antibiotics, Amoxicillin, Lidocaine, Viagra and Zantac.

The Rite-lite L.E.D. Shade Matching Light provides the technology to avoid remakes. The savings can be measured in time, dollars and the embarrassment to the doctor, not to mention the inconvenience to the patient.



Preparation Tips for Choosing a Shade

Create a neutral-colored environment by:

- Have patient remove lipstick.
- Drape patient with neutral-colored cover to hide brightly colored clothing.
- Dim overhead lights.
- Doctor and assistant should cover their clothing with a lab jacket.
- Determine shade selection at the beginning of the appointment, before eyes are fatigued from dental procedures.
- Place the patient in an upright, seated position.
- Hold Rite-lite about 2" inches from the teeth.
- Place the neutralizing tab behind teeth, use shade guide for shade selection.
- Shade selection should not take more than 5-10 seconds
- Have your laboratory technician standardize your shade prescription using the Rite-lite.

Why do I need a shade matching unit that provides 5500°K?

For an object to appear its true color, the light source must contain the color wavelength of light that the object naturally reflects. White light is comprised of all colors, which is why North sky daylight (true white light) is the best source for the color rendering.

If I have overhead lights in the 5500°K range why should I use the Rite-lite?

The small aperture of the Rite-lite decreases any outside color influences (such as reflections of an operators color shirt, etc.).

Should laboratory technicians have the same type shade light as the doctor uses?

It is not mandatory, but is highly recommended.

Essential Shade Taking Facts

- It is important to take shades using a standardized light source with a color temperature of 5500°K and a color rendering index (CRI) of over 90.
- Colors of walls, ceiling and floor all play a roll in providing the neutral environment necessary for successful shade taking.
- Supplement visual shade taking with photos.
- Send laboratory color information on opposing and adjacent teeth.
- Enlist the opinion of one or two women employees (women have sharper color perception than men).
- Encourage the lab technician to use same lighting conditions, such as the Rite-lite, LED Shade Matching Light.
- A custom mauve card similar in color to oral tissue (included with the Rite-lite) can be an asset when placed behind the teeth to solve distraction and value problems.