

WARRANTY

AdDent, Inc. warranties that for a period of one year from the date of purchase, this instrument (excluding batteries) shall be free from defects in material and workmanship and will perform satisfactorily under normal use.

PARTS LIST

P/N 110075 - Rite-Lite 2 High CRI w/o Polarizing Filter
P/N 110075-PF - Rite-Lite 2 High CRI w/Polarizing Filter
P/N 640083 - Polarizing Filter
P/N 640015 - Neutral Color Pad (Pk. of 25)

REFERENCE

See our website – www.addent.com

PATENTS

Patent Pending

MANUFACTURER

AdDent, Inc.

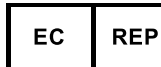
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Rite-lite²TM

TRI-SPECTRA/HI CRI SHADE LIGHT

INSTRUCTIONS FOR USE



PRODUCT DESCRIPTION

The Rite-Lite 2TM High CRI Matching Light is a device that incorporates L.E.D. technology to simulate various lighting conditions that aid in the color matching of teeth and all types of dental restorations. AdDent, Inc. developed the Rite-Lite 2 High CRI in conjunction with cosmetic dental ceramists and dental professionals.

The Rite-Lite 2 High CRI (Color Rendering Index) shade light recreates the visual spectrum produced by natural daylight. This allows for the perception of color tones not available from standard LED lights. This important feature increases the ability for greater accuracy in shade matching by the practitioner.

Rite-Lite 2 High CRI offers:

- Three modes of light for shade taking to simulate varying lighting conditions found in indoor and outdoor environments.
- Regulated Output: Rite-Lite 2 High CRI features a regulator that will ensure consistent light output over the useful battery life of the unit.

Not Sterile. Warranty registration at www.addent.com

OPERATION

Rite-Lite 2 High CRI allows for three visible light choices.

1. To activate the Rite-Lite 2 High CRI unit depress the on/off button. The six color corrected light or daylight 5500° Kelvin LEDs, will be on.
2. Press on/off second time, the six warm white 3200° Kelvin LEDs, for incandescent light or room light will turn on.
3. Press on/off third time, all LEDs provide 3900° Kelvin for ambient light will be on.
 - a. Color-corrected light (daylight):
An industry standard color temperature of approximately 5500° Kelvin to simulate the daylight that naturally occurs in outdoor environments.
 - b. Incandescent - Room light:
A replication of the warm, incandescent light of approximately 3200° Kelvin that is found in many indoor environments.
 - c. Ambient light:
A combination of room light and daylight to approximately 3900° Kelvin simulate the mixed lighting conditions that is common in many indoor environments.

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4. With the patient in a slightly reclined position, place the Rite-Lite 2 High CRI approximately 2" from the patient's teeth. Place the enclosed neutral color tab in back of the teeth being selected. This will neutralize the oral cavity color interference.
5. **NOTE:** Always position the Rite-Lite 2 High CRI over the teeth to be viewed before turning the unit on to avoid excessive bright light shining in the patient's eyes.
6. Hold the Rite-Lite 2 High CRI at a slight angle to perpendicular to the tooth/teeth to be viewed. This will help to reduce glare.
7. Depress the on/off button to illuminate the teeth. Always view the working area through the lighted ring at right angles to the facial surface of the tooth.
8. Place the incisal edge of the shade guide next to the incisal edge of the tooth so the shade guide and the tooth are 'edge to edge' in order to obtain optimum comparisons for shade taking.
9. For optimum results:
 - The dental operatory light should be turned off during the shade selection process.
 - Slightly tilt the Rite-Lite 2 High CRI toward the gingival area to illuminate the translucency of the incisal edge of the tooth and reduce glare.

TECHNICAL INFORMATION

Rite-Lite 2 High CRI is our 3 in one shade matching instrument featuring three choices of visible light to simulate varying lighting conditions typically found in indoor and outdoor environments. The daylight mode is used to initially establish the shade of the tooth or dental restoration, while the room light and ambient light modes are used to verify the shade as it would appear in other common lighting conditions.

Daylight – for initial shade selection.

Daylight that is seen in outdoor environment in a cloudy bright day is an industry standard color temperature of 5500° Kelvin.

Room Light – for verification of shade selection.

Warm, incandescent light that is found in many indoor environments of approximately 3200° Kelvin color temperature.

Ambient Light – for verification of shade selection.

Mixed lighting conditions of daylight and room light that exist in many indoor environments of approximately 3900° Kelvin color temperature.

SAFETY PRECAUTIONS



Do not allow liquid to enter the internal portion of the Rite-Lite 2. Liquids will damage the internal electronics.



Do not allow L.E.D.s (Light Emitting Diodes) to come in contact with any material or tooth structure.

CLEANING INSTRUCTIONS



Rite-Lite 2 High CRI may be wiped down with Cavicide or similar disinfection products. Do not immerse unit in water.

DO NOT AUTOCLAVE UNIT. Doing so will damage the unit and invalidate the warrantee.

BATTERY

The Rite-Lite 2 High CRI accepts two standard AA batteries. Most batteries will maintain full power to the LED's for at least 10 hours of use.



If the unit is not used for prolonged periods of time (3 months) it is recommended that the batteries be removed. To replace batteries, position the positive (+) side up (facing the light source).

Low battery / battery replacement indicator: Once the batteries have reached a low battery condition, **upon activation of the unit the LEDs will blink twice to alert the user that the batteries will soon require replacement.** The unit will continue to operate for 1 hour before the batteries no longer have capacity to power the unit. The batteries should be replaced to prevent the unit from turning off during a procedure.

SPECIFICATIONS

Unit part number:	110075		
Light emitting diodes:	12	Overall unit dimensions:	6.93 x 2.09 in (17.6 x 5.31 cm)
LED color temperature:	Approx. 5500°K & 3200°K & 3900°K	Length:	6.93 in (17.6 cm)
Battery:	2 AA cells	Width:	2.09 in (5.31 cm)
Battery Life:	10 hours	Handle diameter:	0.8 in (2.03 cm)
Light Intensity:	1500 LUX Min. (140 foot candles)	Weight:	6.5 oz (184 g)
CRI:	Over 90		