



RADII-CAL

HIGH POWERED LED CORDLESS CURING LIGHT



LIGHTWEIGHT,
POWERFUL
LED CURING
LIGHT.

LIGHT ON WEIGHT, RADICALLY POWERFUL

THE LED LIGHT THAT PRODUCES
A SUPER HIGH DEPTH OF CURE,
BUT ONLY WEIGHS A LITTLE.

HIGH INTENSITY OF

1200
mW/cm²

HIGH INTENSITY

The higher the intensity, the more the light penetrates to cure the underlying restorative, thus achieving a higher depth of cure.

The Radii-cal has an extremely high intensity of 1200mW/cm². Cure your restorative knowing you will have maximum power.

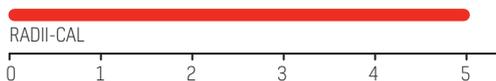
mW/cm²



DEPTH OF CURE

The greater the depth of cure, the more complete the curing of the restoration. This ensures optimum physical properties of the restorative and increases the longevity of the restoration. Feel confident knowing you will achieve the highest depth of cure.

mm



CORDLESS

The Radii-cal is a cordless unit allowing complete freedom of movement and total control. Save time and frustration with the cordless Radii-cal.

1200x
10 SEC
CURES

RECHARGING

The Radii-cal does not need to be constantly recharged. A fully charged Radii-cal allows you 1200 ten second cures before you need to recharge again.



144G / 5.1oz

LIGHTWEIGHT

Radii-cal's ergonomic and lightweight design minimises fatigue and maximises comfort. The handpiece weighs just 144g / 5.1oz.

REMOVEABLE BATTERY PACK

The battery pack simply unscrews from the Radii-cal unit and can be replaced.

RAMP UP MODE

During the first 5 seconds, the Radii-cal's light output power gradually increases. This 'soft-start' polymerization minimises stress at the restoration-enamel/dentine junction and reduces marginal gaps in the restoration.

EASY TO CLEAN

The smooth gloss finish ensures no bacteria can collect on the surface making it fast and easy to clean.

NO NOISY FAN

Unlike many other LED lights, the Radii-cal does not require a fan. It uses heat sink technology to reduce the amount of heat emission. Furthermore, using a combination of pulse technology and steady current, the Radii-cal can achieve a higher light output without generating excess heat.

ADVANTAGES

Pulse technology = High intensity
1200 mW/cm² plus low heat emission

Stays charged for 3 h 20 min = 1200 ten second cures

2 year limited warranty*

Advanced heat sync technology
- no fan required

Built in ramp up mode

Built in intensity indicator

Cordless, lightweight design - 5.1 oz/144 g

*2 year manufacturing warranty on parts and battery

BUILT IN INTENSITY INDICATOR

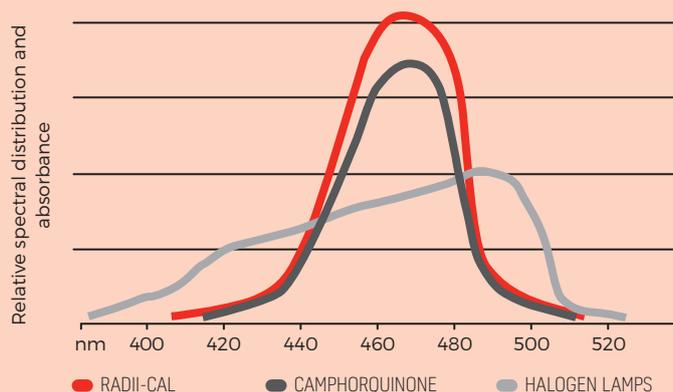
The Radii-cal's built in intensity indicator provides a simple test to ensure the functionality of the light.

2 YEAR WARRANTY

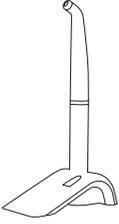
The Radii-cal's robust and reliable construction assures your purchase is a long lasting investment.

EFFICIENT ENERGY USE

The light emitted by the Radii-cal corresponds to the maximum absorbance of camphorquinone ensuring efficient curing of most light cured restoratives.



ORDER DETAILS



EQUIPMENT

Radii-cal LED Light

1 x Radii-cal LED Curing Light
1 x Recharger
1 x Transformer
3 x Replacement Lens Caps
Accessories

5600102

LED Radiometer

5600028

REPLACEMENT PARTS AND ACCESSORIES

Replacement parts and accessories which can be installed without special training or equipment, can also be obtained from your authorised SDI dealer.

Replacement Lens Caps (25 Pack)

5600054

Barrier Sleeves (1000 Pack)

5600005

Light Shield (5 Pack)

5600056

Radii-cal Control Section

5600106

Radii-cal Battery

5600105

Radii-cal Charger (Includes Plug Pack)

5600112

TECHNICAL DATA

Handpiece (battery, control section and standard LED attachment)

Wavelength range:	440 nm - 480 nm
Peak wavelength range:	460 nm
RAMP to full intensity:	5 seconds
Light intensity:	1200 mW/cm ² (peak)
Duration of continuous use	60 seconds
Total continuous run time with fully charged battery:	3 hours, 20 minutes
Dimensions:	22 mm diameter x 243 mm long
Weight:	144 g / 5.1 ounces
Battery:	2 x 4.2 V Lithium Ion - 1200 mAh

Plug Pack

AC input:	100-240V ~ 0.8A, 50/60 Hz
DC Output:	12V 1.66A, 20.0W MAX
Dimensions:	34 mm (W) x 41 mm (H) x 62.5 mm (L)
Weight:	104g

Charger

Time to charge battery:	60 - 180 minutes
Operating temperature:	10°C - 40°C
Total height with handpiece inserted	255 mm
Dimensions:	70 mm (W) x 40 mm (H) x 130 mm (L)
Weight	84 g / 3 ounces



YOUR SMILE. OUR VISION.



08-2021

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+D036M5601011.

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