

Polymerization

FAST CURING, LONG TERM RESULTS

Enhancing your workflows
through innovation

miniled



Polymerization challenges

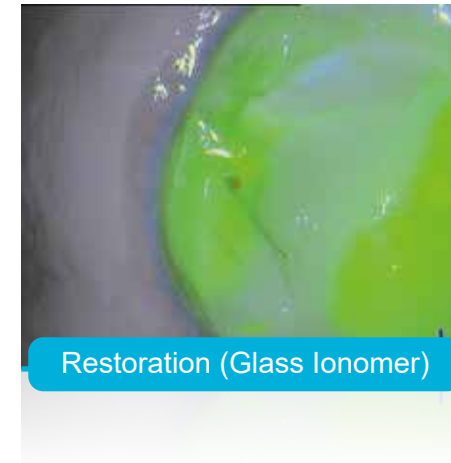
The use of Miniled™ Polymerization lamps has been appreciated worldwide for their efficiency and their secure cold light safe on vital teeth. The range of ACTEON® Miniled™ responds to all clinical needs from portable to chair connected versions.

Crucial phase for great esthetic results

Light-activated products such as composites, sealants, bonding agents have been optimized over the years to provide better esthetic results. The polymerization phase is crucial for esthetic and long lasting results.

Choosing the right lamp, with the proper intensity and exposure time avoids fractures, infiltrations, post-operative sensitivity. Science has proved that improperly cured composites can generate a cytotoxic effect and are less biocompatible.⁽¹⁾

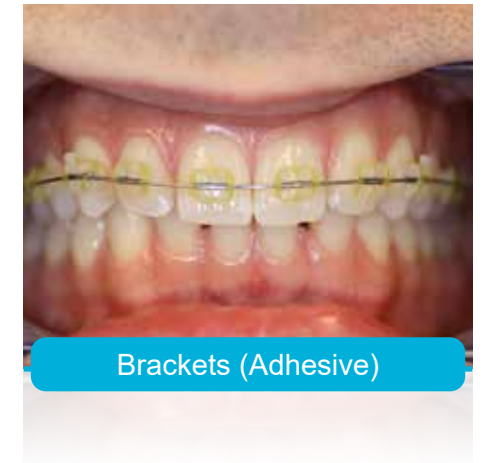
1. Inside dentistry, Volume 7, Issue 2, February 2011



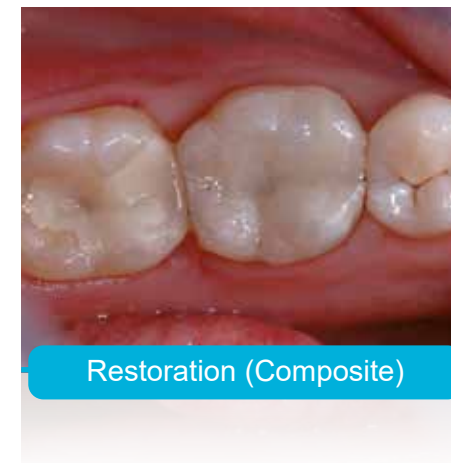
Restoration (Glass Ionomer)



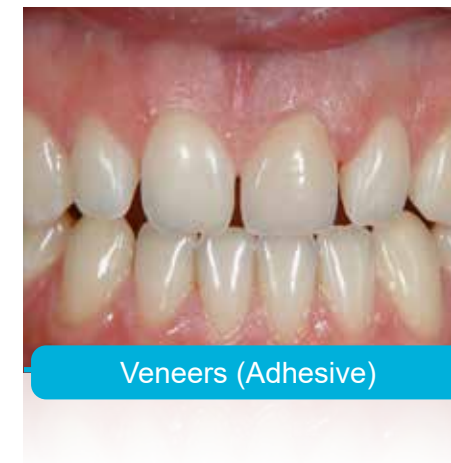
Bleaching (Dam)



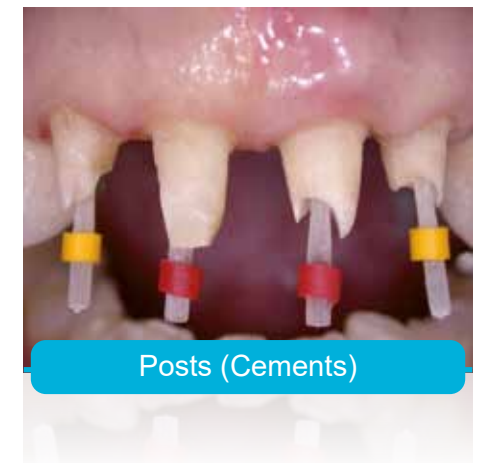
Brackets (Adhesive)



Restoration (Composite)



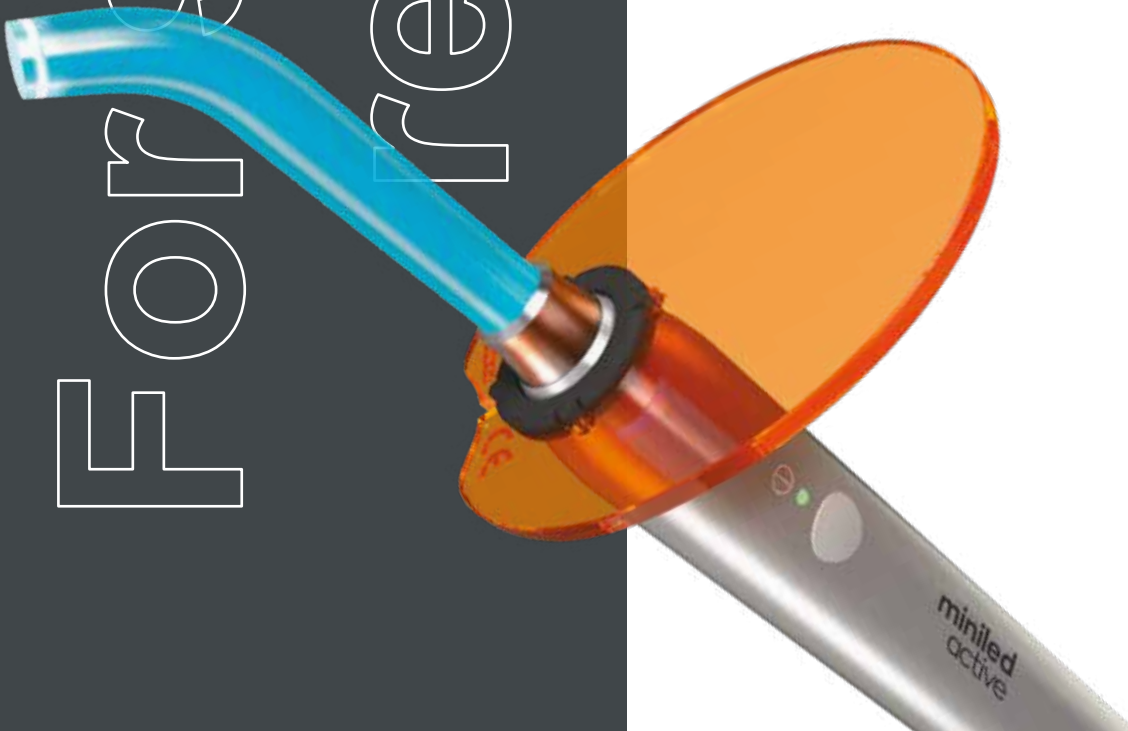
Veneers (Adhesive)



Posts (Cements)



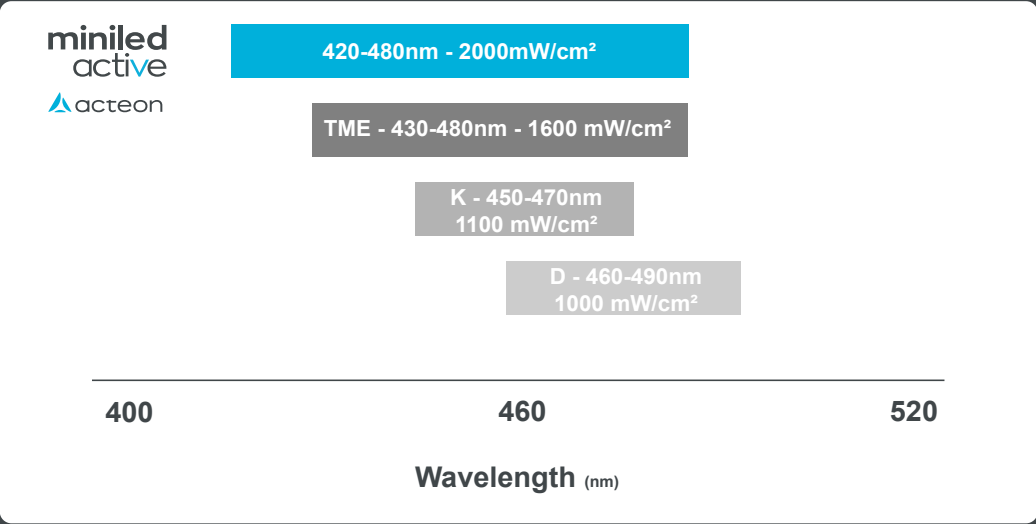
For successful restorations



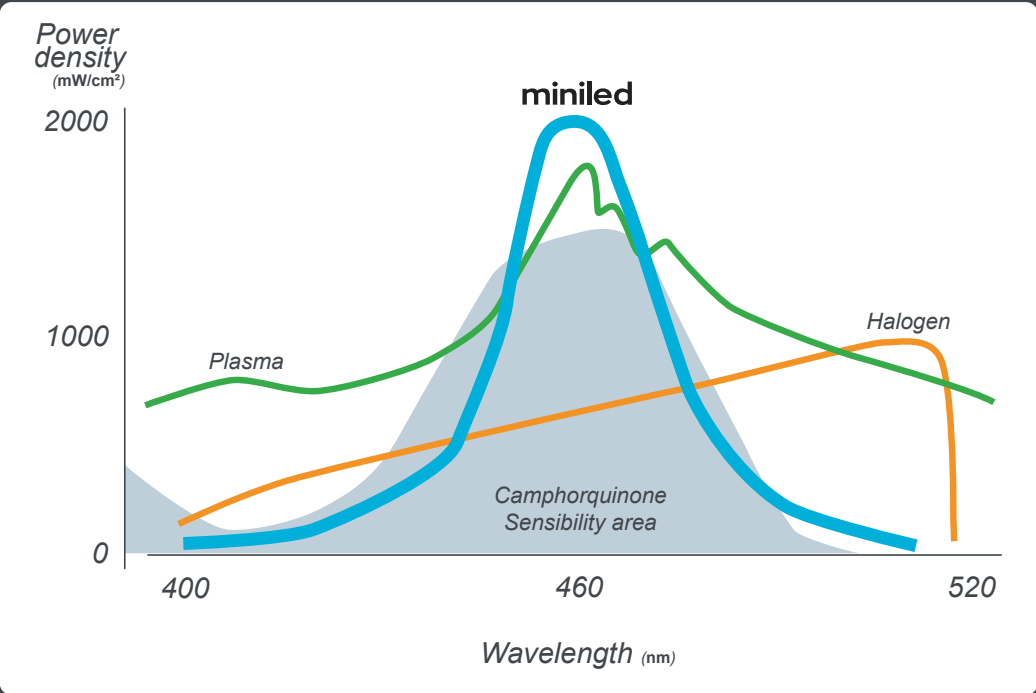
Miniled™ , the reference among curing lights

Latest technology

- Cold light limiting the risk of pulpal damage
- Developed in collaboration with prestigious universities
- Long lifetime

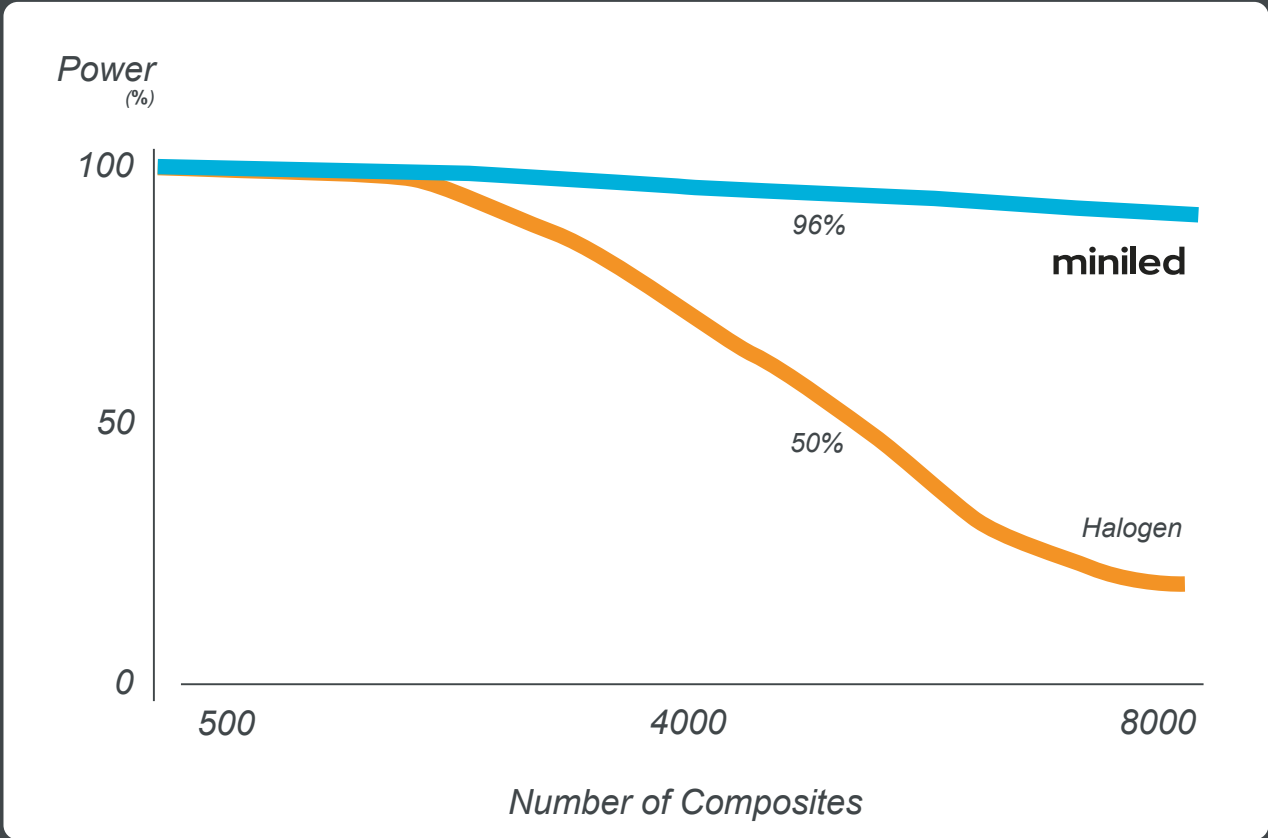


- Wide emitting spectrum: 420 to 480nm for dental photo-initiators



Patients & practitioners friendly

- Well-balanced combination
 - Cordless light handpiece easy to grip
 - Robust body in aluminium
 - Li-Ion battery with no memory effect
- Safe & Hygienic
 - No fan to limit cross infection and avoid noise generation
 - Rigid protection shield for a focused blue light with no danger for the retina
 - Autoclavable multi-fibers glass light guide
- Large photo-initiator compatibility
 - Relevant wavelength spectrum: Camphoroquinone (CQ) 470nm but also PPD and PAB 430 nm
 - Large power range from 1250mW/cm² to 3000mW/cm²
 - Customizable modes to polymerize diverse materials in various clinical situations





miniled active

Ready to use

**The essential of polymerization
at your fingertips**

Power: 1492mW/cm² (Ø7.5mm light guide)

Size: Ø24.5x161mm

Weight: 103g

Wavelength: 420-480nm

- **Efficiency and simplicity in one click**
Unique 10 sec cycle, with microflash at 5 sec
- **Easy to use**
Smartly balanced, the handpiece does not roll for a protection against falls
- **Work in freedom**
Handy and light (103g) thanks to its integrated battery
- **Long service life**
100 cycles of 10 sec. to enjoy a full day of polymerization
- **Universal power supply**
Battery level indicator

Accessories

Large reconstructions, posterior brackets,
Inlay cores...

- Ø7.5mm: F05121 (Miniled™ Active)



Built-in

Various possibilities available upon request



miniled standard

Simply powerful

Outperforms in power, efficiency and speed

Power:

- 1250mw/cm² with Ø7.5mm light guide
- 2000mw/cm² with Ø5.5mm light guide

Size: Ø23x200mm

Base: radiometer included

Weight: 160g

Wavelength: 420-480nm

• **Safety**

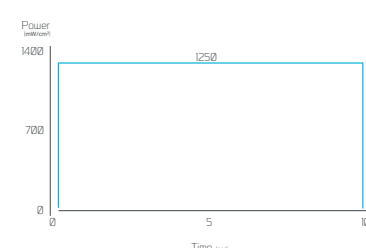
Base-charger includes a radiometer for light power intensity check-up

• **Fast**

Only 6 to 12 sec to polymerize 2mm of any composite

• **Optimal result**

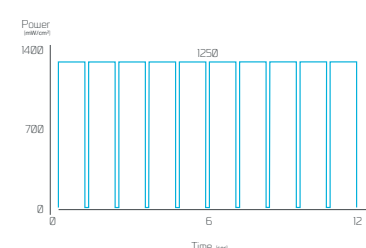
3 modes to fit all clinical needs



FAST MODE

Fast and easy

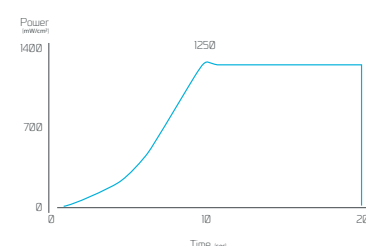
Full power during 10 sec (bip at 5 sec) on regular depth



PULSE MODE

Ally rapidity and safety

10 flashes of 1 sec (bip after 5 flashes) with times off to preserve dental pulp



RAMPING MODE

No stress cracking

Progressive power increase during 20 sec (bip every 5 sec) for a complete and safe curing



Accessories

Large reconstructions, posterior brackets, Inlay cores...

- Ø7.5mm: F02648 (Miniled™ Standard, SuperCharged, Ortho 2)

Get even more energy at the extremity:

Lingual ortho, interdental composites, small areas reconstructions

- Ø5.5mm: F02652 (Miniled™ Standard, SuperCharged, Ortho 2)



Built-in

Various possibilities available upon request

miniled supercharged

Highly adaptable

The alliance of power and safety

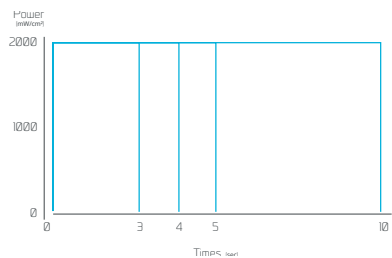
- Power:**
- 2000mw/cm² with Ø7.5mm light guide
 - 3000mw/cm² with Ø5.5mm light guide

Size: Ø24x201mm

Weight: 160g

Base: radiometer included

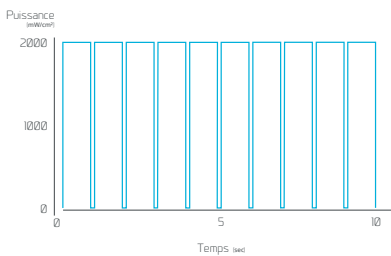
Wavelength: 420-480nm



FAST MODE

The choice of rapidity

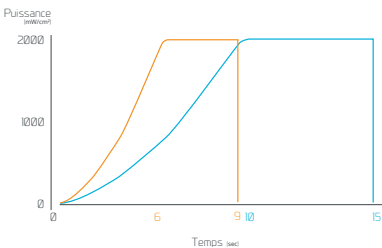
Full power during 3, 4, 5 or 10 sec, according to the composite thickness



PULSE MODE

Limits temperature rise

5 or 10 flashes of 1 sec for a polymerization in security



RAMPING MODE

Avoids composites retraction

Progressive power increase during 9 or 15 sec to ensure perfect sealing of the restoration

- **Visibility**
Luminous screen with customizable modes and times, count curing time and load indicator



- **Control**
Base-charger includes a radiometer. The LED light intensity can be controlled anytime with total lightening of the translucent handpiece holder



Accessories

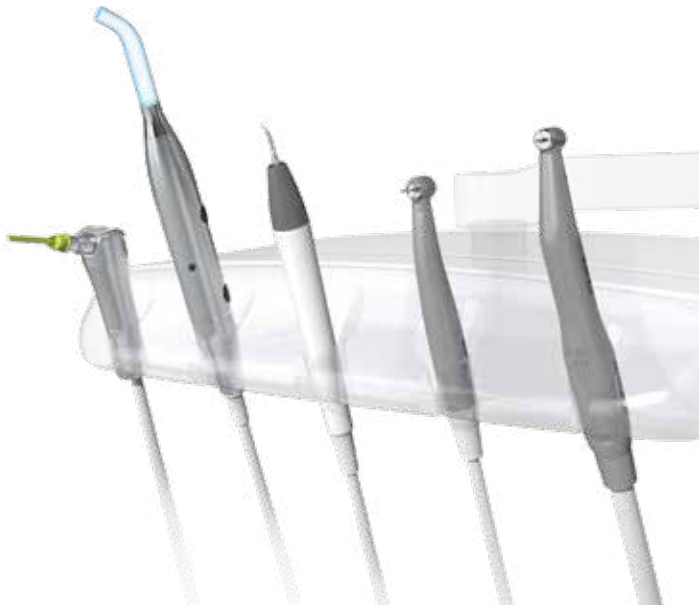
Large reconstructions, posterior brackets, Inlay cores...

- Ø7.5mm: F02648 (Miniled™ Standard, SuperCharged, Ortho 2)

Get even more energy at the extremity:

Lingual ortho, interdental composites, small areas reconstructions

- Ø5.5mm: F02652 (Miniled™ Standard, SuperCharged, Ortho 2)



Built-in

Various possibilities available upon request



miniled ortho 2

Specialized in orthodontic treatments

Cure in a simple gesture, in few seconds from few brackets to a whole quadrant

Power: 3000mw/cm² with Ø5.5mm light guide

Size: Ø24x201mm

Weight: 160g

Base: radiometer included

Wavelength: 420-480nm

- **Customizable signal**

An alert (beep, micro-flash, mixed or no alert) prompts the user to move to the next curing position every 4 sec

- **Long lasting battery**

Miniled Ortho 2 can cure 15 patients at maximum power, no need to recharge it during the day

- **Ortho friendly**

Customizable exposure times of 4, 8, 12 and 32 sec, specifically studied to move from one bracket to another or to cure a full arch

- **Efficacy and safety**

- Cure any type of material used in orthodontics efficiently and quickly.
- The absence of UV reduces heat production for maximum comfort and safety



Accessories

Large reconstructions, posterior brackets, Inlay cores...

- Ø7.5mm: F02648 (Miniled™ Standard, SuperCharged, Ortho 2)

Get even more energy at the extremity: Lingual ortho, interdental composites, small areas reconstructions

- Ø5.5mm: F02652 (Miniled™ Standard, SuperCharged, Ortho 2)



Built-in

Various possibilities available upon request



About Prosthetic & restorative workflow

Restorative procedures require imperative precision and perfect preparation, with the respect of marginal periodontium. ACTEON® offers top-of-the-range and innovative products, which help practitioners deliver precise & minimally invasive treatments in esthetic dentistry to ensure patient's satisfaction.



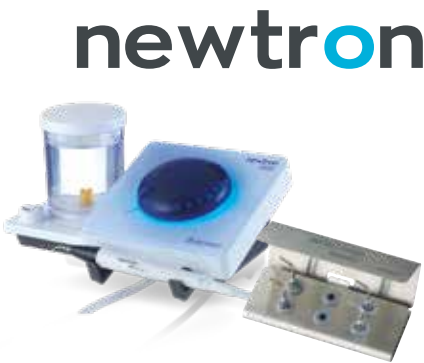
Preparation

I need to make my sulcular opening as efficient and minimally invasive as possible for my patients.



Thanks to Expasyl™ Exact, perform a perfect painless preparation for your patient with facilitated emergence profile access.

I wish to carry out accurate preparations with precise limits to ensure a higher durability of my prosthesis.



Perfect Margin™ tips and Newtron® ultrasonic device provide painless crown preparations. The surface of the teeth is smooth, allowing a precise impression and a stronger bonding.



Prosthesis placement

Polymerization phase is crucial for esthetic and long lasting results of my restorations.



I have everything I need for polymerization offered by my Miniled™: power, efficiency and speed. It provides cold light limiting the risk of pulpal damage and answers to all clinical needs.



Follow-up

I need to perform a reliable and non-invasive check after the treatment and to highlight the results of my dental care.



C50 provides reliable and immediate vision of the clinical condition. The images can be shown to the patient and saved on his file.



Protection

I need to ensure optimal clinical protection for my patients and limit the risk of cross-contamination.



riskontrol

Riskontrol® disposable tips are your must-have solution to perform dental care in a safe and clean place. It assures protection, comfort and safety in every daily clinical procedures.



SATELEC

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Follow-us



Miniled Active, Miniled Standard, Miniled Supercharged, Miniled Ortho 2:
Dental curing lights - Class I medical devices - CE
For professional dental use only. Manufacturer: SATELEC® - France
Read carefully the instructions for use available
on www.acteongroup.com
Updated on: 03/2023