

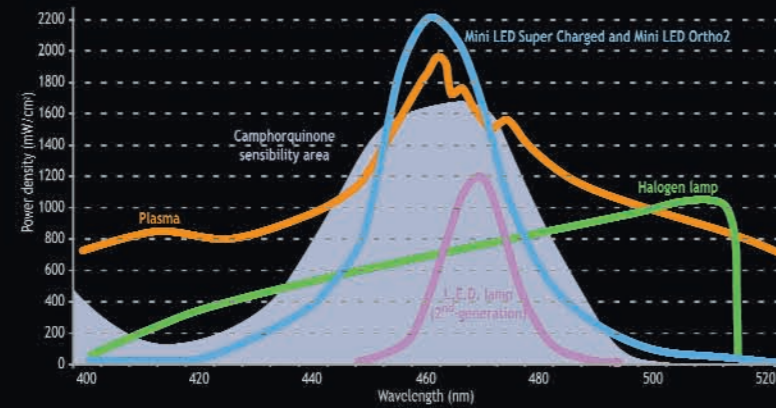
CORDLESS - NOISELESS - LIGHTWEIGHT



Power density up to 3,000mW/cm²

Mini LED SuperCharged and Mini LED Ortho2 are the most powerful LED lamps:

- As fast as a plasma lamp, it can polymerize most composites in as little as three seconds.
- More powerful than a plasma lamp, it polymerizes most composite types through 2mm.



Wavelength

The innovative technology of the Mini LED, Mini LED SuperCharged and Mini LED Ortho2 emit light in the widest range to cure the widest varieties of composites.



Mini L.E.D.

Mini LED SuperCharged

Mini LED Ortho2

	Mini L.E.D.	Mini LED SuperCharged	Mini LED Ortho2
With 7.5mm Light Guide	1,250mW/cm ²	2,000mW/cm ²	2,000mW/cm ²
With 5.5mm Light Guide	2,000mW/cm ²	3,000mW/cm ²	3,000mW/cm ²
Fast - Cure Mode	10 Seconds	3,4,5 & 10 Seconds	4, 8, 16 & 32 Seconds
Pulse - Cure Mode	10 x 1 Seconds	5 & 10 x 1 Second Flashes	No
Ramping Mode	10 + 10 Seconds	(6 + 3) & (10 + 5) Seconds	No
LCD Display Screen	No	Yes	Yes
Micro-Flash Feature	No	No	Yes
Complete System	F02611	F05214	F05220
Power Supply	F02544	F05216	F05216
Battery	F02520	F05211	F05211
Battery Charger	F02510	F02917	F02917
Handpiece	F02530	F05219	F05217
Oval Protection Shield	F02555	F02513	F02513
Opalescent 7.5mm	F02648	F02648	F02648
Opalescent 5.5mm	F02652	F02652	F02652
Straight Mono	F02650	F02650	F02650

Dimensions without light guide

Diameter24mm / .95"
 Length201 mm / 7.91"
 Weight160g / 5.64oz

Medical categoryIIa
 OperationContinuous operation

AC power adapter:

Input voltage100 V AC to 240 V AC
 Frequency50 Hz to 60 Hz
 Output voltage12
 Output current0.8 A
 CategoryII
 Protection indexIP 41

Charging base:

Input voltage12 V DC
 Protection3 A T fuse (non accessible) 125 V
 ClassificationContinuous operation IPX 0

Battery:

TypeLithium-Ion
 Size / Dimensions24mm / .95" x 88 mm / 3.46"
 Capacity2400 mAh

Optical specifications:

Wavelength range420 - 480 nm
 Peak wavelength455 - 465 nm
 ClassIIa according to European directive 93/42/CEE
 Maximum exposure time32 seconds32 seconds power (+ 10%):

Homologation

.....CE, IEC 60 601-1/60 601-1-2
 All specifications subject to change.

F0231 / April 1, 2011



Mini L.E.D.

Mini LED Ortho2

Mini LED SuperCharged

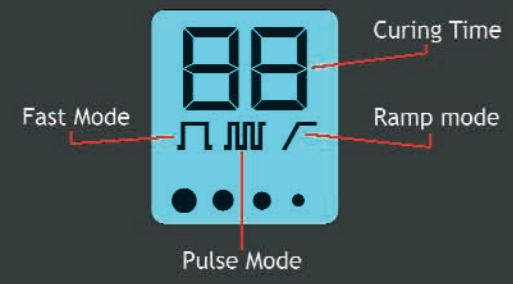
ACTEON NORTH AMERICA

SATELEC ACTEON

Whatever your needs, there's a Mini LED for every office...

Display Screen

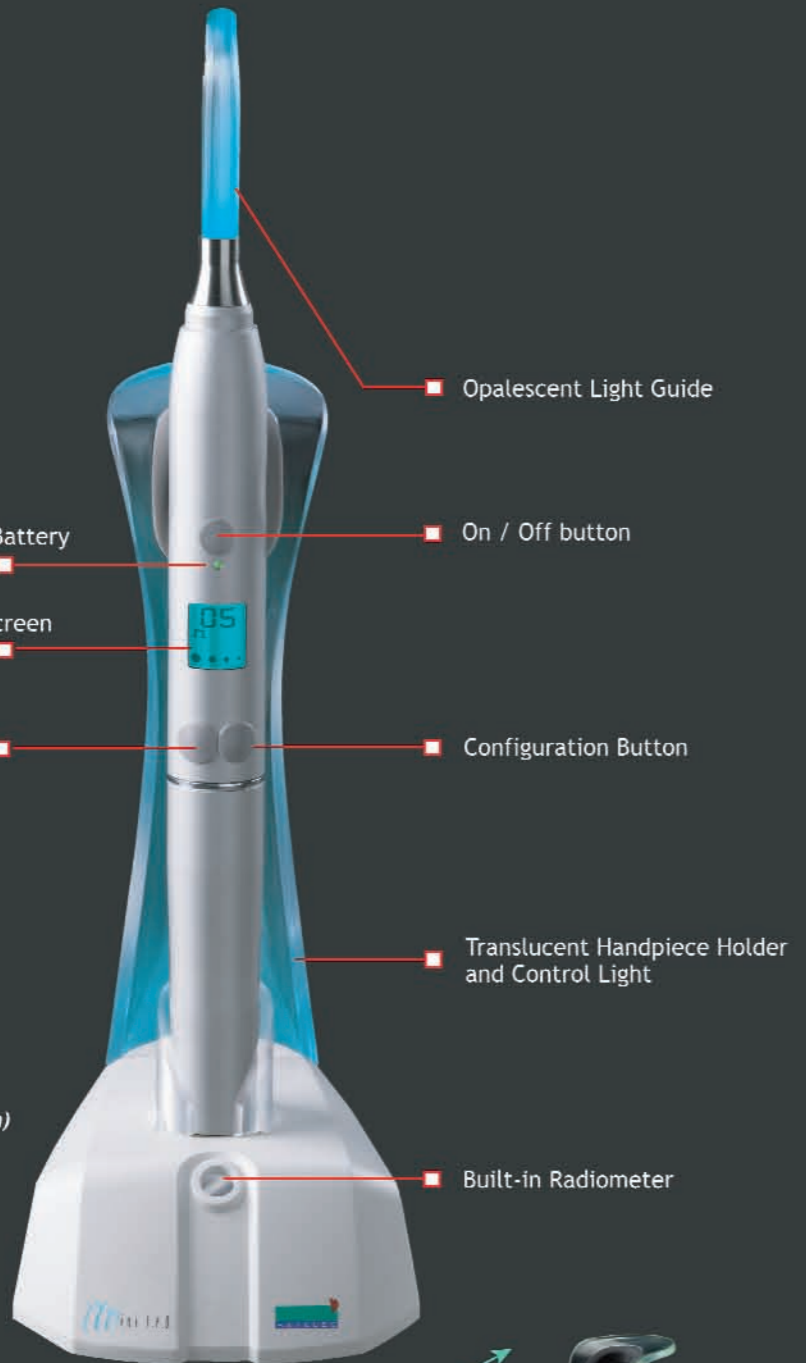
(Mini LED SuperCharged Shown)



Fast Mode - Emits full power for 3, 4, 5 or 10 seconds.

Pulse Mode - Emits 5 or 10 successive one second flashes at full power with 250ms rest periods between .

Ramping Mode - Preset time of 9 or 15 seconds. 6 seconds progressively up to full power for 3 seconds or 10 seconds progressively up to full power for 5 seconds



(Mini LED SuperCharged Shown)



Built-in radiometer and translucent handpiece rest

The base of the *Mini LED SuperCharged* and *Mini LED Ortho 2* includes a built-in radiometer and the translucent handpiece rest acts as an indicator. In an instant you know if the light is working properly to ensure satisfactory polymerization (The base of the *Mini LED* has a built-in radiometer, but does not have a translucent stand. The *Mini LED Black* does not have a radiometer).

Mini LED SuperCharged

3 - Second Polymerization for all composites

- HIGH POWER: 3 seconds curing light**
High power density of 2,000mW/cm² when using 7.5mm standard light guide. Power density will increase up to 3,000mW/cm² when using 5.5mm light guide. LED lights do not have bulbs and do not lose power over time like halogen light. *Mini LED SuperCharged* can cure in 3 seconds virtually all composites on the market.
- WIDE SPECTRUM: cure all composites**
Mini LED SuperCharged with wide emitting spectrum (420-480nm) can polymerize most composites and also most sealants and bonding agents.
- HYGIENE: no cross contamination**
Mini LED SuperCharged has no fan to recycle unhygienic air. The light guide is autoclavable and the body may be disinfected with a topical solution.
- CONVENIENCE AND SAFETY**
Minimal temperature elevation means *Mini LED SuperCharged* is safe to use on vital teeth as there is no risk of pulpal damage. The innovative LED technology limits rise in temperature. Exclusive, patented heat dissipation methods prevent over-heating and protect the circuitry.



- FAST MODE (3, 4, 5, 10 seconds)
Curing time can be selected among 3, 4, 5 or 10 seconds at full power.



- PULSE MODE (5 or 10 seconds)
Curing time can be selected between 5 and 10 seconds. Emits 5 or 10 successive one-second flashes at full power, repressed temperature rise, offering safe curing to teeth.



- RAMPING MODE (slow mode, 9 or 15 seconds)
Emits 9 or 15 seconds. Emits for 6 seconds progressively up to full power for 3 seconds or emits 10 seconds and progressively up to full power for 5 seconds.



Mini LED ORTHO 2

Wavelength: Wide Spectrum and Safety

- Mini LED ORTHO 2* with wide emitting spectrum (420-480nm) can polymerize composites but also sealants and bonding agents. *Mini LED ORTHO 2* emits no UV and generates little heat for maximum safety and comfort.
- ORTHO FRIENDLY TIMING MODES**
4, 8, 12 and 32 second curing cycles. Cure a few brackets or half an arch with the push of one button.
- CUSTOMIZABLE ALERT STYLE**
Prompts the user to move to next curing position every 4 seconds. Choose from 4 alert modes : beep only, microflash only, beep and microflash, or no alert.
- STANDBY MODE: SAVE THE BATTERY**
If not operated for more than 5 minutes, *Mini LED ORTHO 2* will automatically switch to the standby mode. The LCD screen will also automatically be turned off, saving the life of the battery.
- CONVENIENCE: 15 PATIENTS WITHOUT RECHARGING**
One charge gives 45 minutes of continuous light, enough to bond 15 patients.



Mini L.E.D.

High power - with no heat build-up

- Until now halogen-type lamps could only polymerize by producing a great deal of heat for few efficient wavelengths (on average 500mW/cm² in the utilizable wavelength). The *Mini LED* by Satelec® combines power, efficiency and speed:
- POWER**
Its power (1,250mW/cm²) is greatly superior to that of most halogen lamps and nearly as efficient as plasma lamps, without raising the temperature.
- EFFICIENCY**
It emits light in the most efficient part of the spectrum, suiting most composites currently available: camphoroquinone (470nm), PPD or PAB (430nm).
- SPEED**
It takes only 6 to 12 seconds to polymerize 2mm of almost any composite!



Mini LED