



CAD/CAM SYSTEMS | INSTRUMENTS | HYGIENE SYSTEMS | TREATMENT CENTERS | IMAGING SYSTEMS

PERFECT VISION. WITH NATURAL LED LIGHT

The first LED to show its true colors.

The specially developed Sirona LED for instruments has significantly improved treatment conditions for dental practitioners. This new LED lamp combines high brightness, true-to-life color reproduction and even illumination to provide ideal lighting for treatment in the oral cavity – optimal conditions for identifying tooth substance, filling material and soft tissue. Another advantage: The LED lamp can be quickly and easily replaced by the dentist or installed in existing Sirona instruments. Users also benefit from the LED's very long service life.

Advantages of Sirona LEDs:

- Hard tooth substance, filling material and soft tissue is identifiable with good contrast
- The illuminated area appears evenly bright, glare-free and has no false-color effects (color fidelity)
- The LEDs are compatible and able to replace the halogen lamp
- The brightness (kLux) is at least equal to that of the current halogen lamp
- The service life is several times greater than that of the halogen lamp



The natural light of the Sirona LED realistically reproduces colors and contrasts in the oral cavity.

Visual perception depends on color reproduction

Sirona LED



Large light spot, color rendering index (CRI) very high. Natural coloration of the teeth and gums. No edge coloration in the light spot.

Competitor A



Large light spot, color rendering index (CRI) reduced. Blue and yellow edge coloration of the light spot. False colors on teeth and gums, gums appear magenta and teeth yellow/green.

Competitor B



Small light spot, color rendering index (CRI) greatly reduced. Slight yellow/green coloration of the light spot causes false colors on teeth and gums.

Halogen lamp



Large light spot, color rendering index (CRI) approx. 100. Red component is dominant; coloration of the teeth and gums influenced by high red component.

LED: From a preparation perspective

Sirona



Bright preparation area, clear contrast

Competitor A



Slight glare, false color on light cone

Competitor B



Strong glare, reduced contrast

Halogen lamp



Light with high red component, contrasts blurred

LED compatibility with Sirona dental units

Dental unit	Instrument							Brightness setting on the dental unit
	Motors					Turbine	SIROSON L SIROSONIC L	
	SL	SL ISO	EL 1	BL	BL ISO			
M1-90, M1-94	✓	✓				✓		100%
M1-96	✓	✓				✓	✓	100%
Siemens Sirona E	✓	✓				✓	✓	Standard (90%)
C2, C3, C4	✓	✓	✓			✓	✓	100%
M1+, C2+, C3+, C4+, C5+	✓	✓	✓			✓	✓	100%
C6, C8, C8+, Pro Feel	✓	✓	✓			✓	✓	Standard (90%)
TENEO	✓	✓		✓	✓	✓		100%

The voltage setting in the units is preset to 3.6V by default. Normally all there is to do is to set the brightness to 100%.

Sirona products with LED

Name	REF
Sirona LED	63 14 558
Quick coupling R	63 19 706
Motor hose SL D+ C2/C4	63 19 607
Motor hose SL D+ 1660 mm	63 19 615
Motor hose SL D+ C3/C6	63 19 623
Motor hose SL D+ C8	63 19 631
Motor hose SL D+ C8+/Profeel	63 19 649
SIROSONIC L hose C2/C4	63 19 664
SIROSONIC L hose C3+/C6	63 19 672
SIROSONIC L hose C8+/Profeel	63 19 680
SIROSONIC L hose 1660 mm	63 19 698
Motor BL	63 19 714
Motor BL ISO	63 19 722