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A-DEC 500 LIGHT

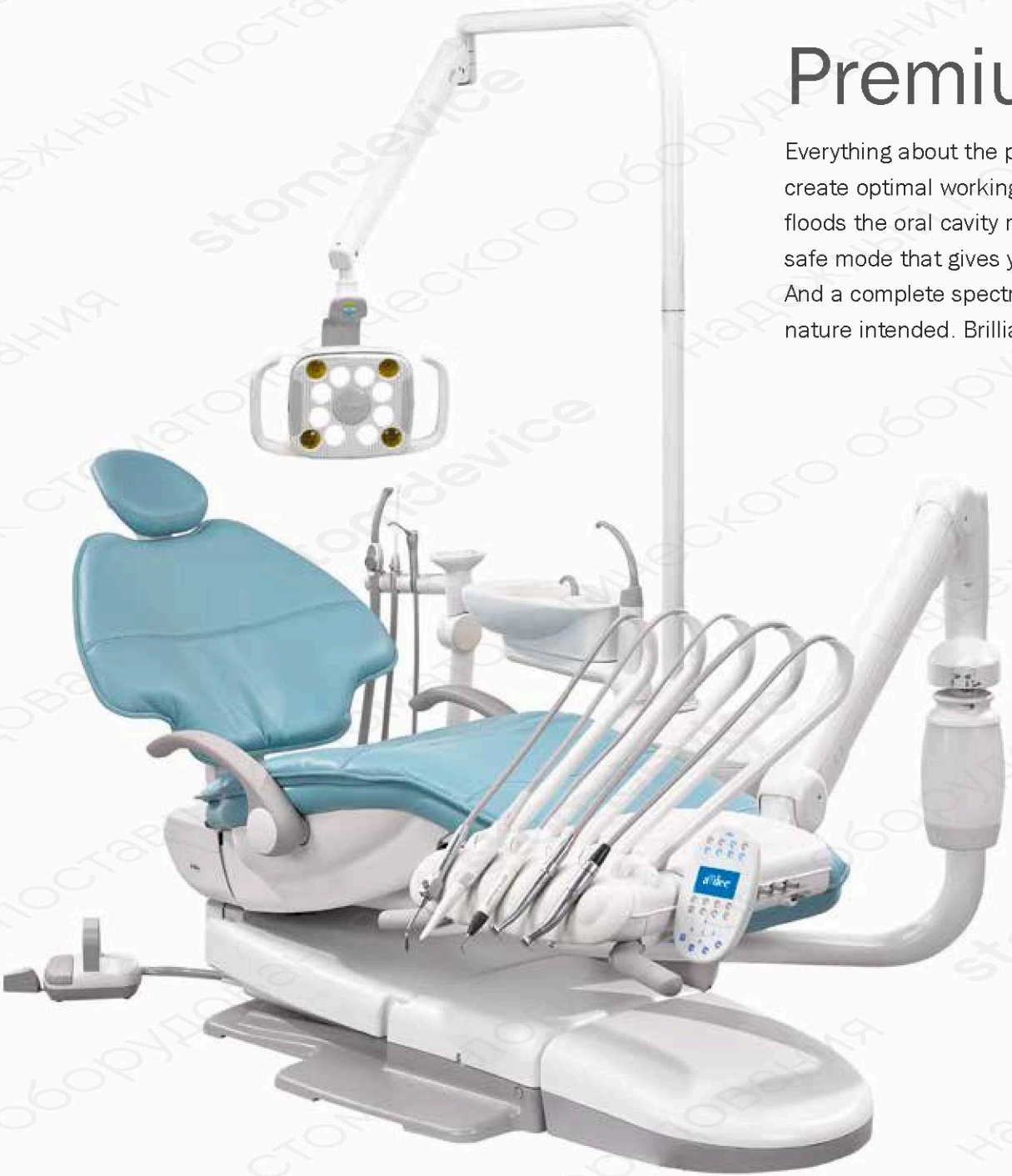
LED



a-dec

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Premium brilliance.

Everything about the premium A-dec 500 LED is designed to create optimal working conditions, like continuous light that floods the oral cavity reducing shadows and eye fatigue. A cure safe mode that gives you more time to work with composites. And a complete spectrum of colors that appear precisely as nature intended. Brilliant.



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The difference is in the details.



PURE INNOVATION

Clean, distinctive form. Intuitive functionality. Smart use of materials. The unmatched luminance and lasting durability has earned the A-dec 500 multiple awards since its introduction.



CLEAN AND SIMPLE

With asepsis in mind, the light shield fits flat and tight to prevent dust accumulation inside. Barrier ready touch surfaces make it easy to clean the outside, too.



UNPARALLELED TESTING

"Good enough" just isn't. A-dec designs and tests our lights for a minimum 20-year life. So the light always works when you need it.

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A-dec LED

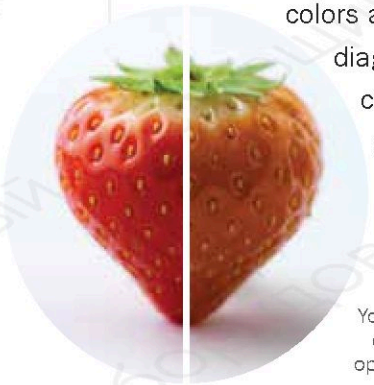
What color is natural?

Seeing colors as nature intended means an accurate representation and mix of the entire color spectrum. With true-to-life tones, a clear diagnosis is that much easier.

Solid performance. A-dec lights begin with proven parts, optically engineered specifically for dentists in their environment. A-dec LED lights are backed by a five–year warranty, but designed for a minimum 20-year life.

Easy on the eyes. Innovative light distribution creates a uniform pattern with a "stadium" effect to minimize shadowing, and feathered edge light pattern that reduces eye fatigue.

Exceptional illumination. A high color rendering index (CRI) of 94 mimics sunlight's clarity and floods the oral cavity with light that reflects colors accurately for soft and hard tissue diagnosis. This high-quality light pattern conforms to the latest ISO9680 standards for brightness, color, rendering and uniformity.



High CRI Low CRI

You can see the difference when compared to less refined LED operatory lights with a lower color rendering index (CRI).



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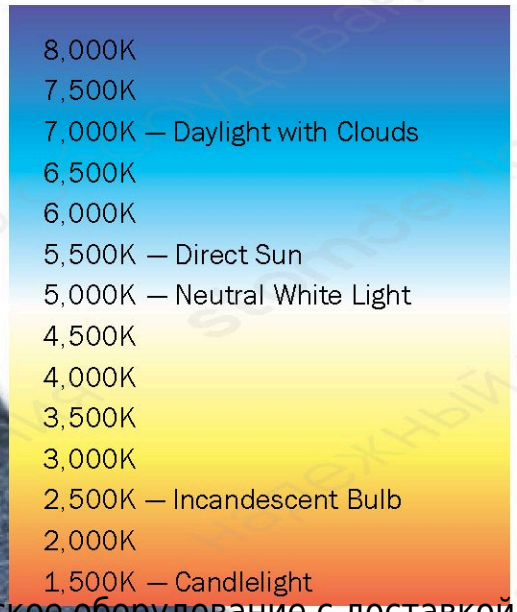
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Low power. No noise. No noise is good noise. The A-dec 500 uses a unique passive cooling method so there's no fan, and no radiant heat.

Ecologically and economically smart. Low heat LED lights are free of toxic chemicals, and produce little infrared light and close to no UV emissions. A-dec LEDs also consume 80-90% less power, are more than 20% brighter than most halogen lights, and have a life expectancy of 40,000 hours—all without ever having to change a bulb.

Perfect white light. Neutral is everything. The color of light, measured in Kelvins, affects everything you do as a doctor. Consistent 5,000K illumination produces a balanced clean, white light that replicates natural sunlight.



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A-dec 500 LED

There's a reason the A-dec 500 LED light has won awards year after year. (In fact, there are many of them.) Suffice to say, the precise positioning and premium feature set empowers you and your team to sit comfortably, see clearly, and diagnose accurately, day after day.

A-dec 500 LED Light		
Feature	**Description**	**Why it's important**
Stadium lighting	8 bright white LEDs	Reduces shadowing
Light intensity (four modes)	Low: 15,000 lux (1394 fc) Medium: 25,000 lux (2323 fc) High: 30,000 lux (2787 fc) Cure-safe: 25,000 lux (2323 fc)	Enough light to do the job right
Thermal output	51 BTUs (halogen averages 325 BTUs)	No radiant heat
Composite mode	Cure-safe Illumination provides brillant yellow light at 25,000 lux (2323 fc)	Illuminates without curing photo-initiated resins
Color temperature	5,000K	Produces balanced light for accurate tissue analysis
Light pattern	3.8" x 5.7" at 27.6" focal distance (95 mm x 145 mm at 700 mm)	Lights oral cavity, not patient's eyes
Feathered edge	Yes	Reduces eye fatigue
Lifespan	40,000 hours (~20 years)	Never change a bulb
Rotational axes	3-axis: horizontal, vertical, diagonal	Choose optimal ergonomic positioning
Compatibility	A-dec 500, A-dec 400, A-dec 300, ceiling-mount, track-mount, cabinet-mount, wall-mount	Select the option that works with your equipment

A-dec LEDs provide uninterrupted performance for 20 years, while consuming 80-90-% less energy than halogen technology.

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See the advantages.



CURE SAFE

Cure safe setting at 25,000 lux removes all blue light for full illumination while working with cure-set products. Now you have all the time you need to perform your best work.



TOUCHPAD CONTROLLED

Programmable buttons automatically turn light on when the chair back reclines, and powers it off when the chair moves to entry/exit position *(requires A-dec touchpad)*.



EASY ON/OFF

A simple bump lets you control the light, even during procedures.

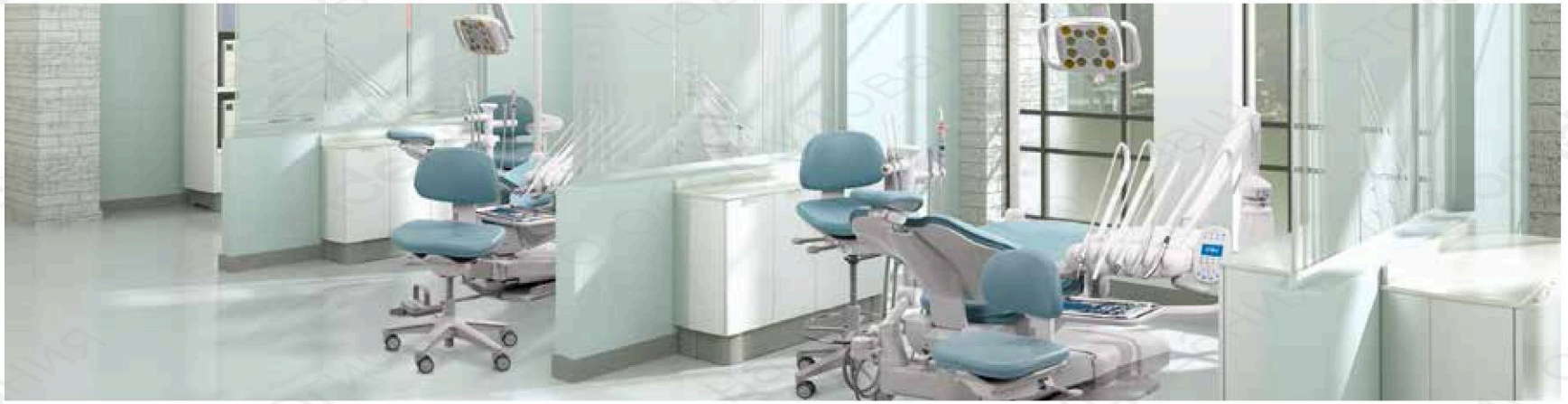


UNLIMITED POSITIONING

540° of horizontal rotation mean that you can rotate the light 1½ times in either direction. Combine that with 120° head tilt and 80° diagonal adjustment, and perfect placement is a sure thing.

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Light Options

What works for you? Choose a mounting option that maximizes your working style.



Track-mount



Ceiling-mount



Radius® mount



Chair mount



Wall/cabinet-mount

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A-DEC 300 LIGHT

LED



a-dec

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Pure brilliance.

The first thing you'll notice about A-dec LED dental lights is the pure, neutral white light. Add our touchpad and all of the light modes and functions are available from one place. Your entire operatory is bright, clutter free and connected, which makes it easy on your eyes—and your patient's.



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The difference is in the details.



PURE INNOVATION

Designed with silent passive cooling so the light stays cool—and so do you.



SMART DESIGN

Designing and manufacturing in house means we control quality. That's why the large, ergonomic handles aren't just easy to grip: they're made from industrial grade resin that resists impact damage.



UNPARALLELED TESTING

"Good enough" just isn't. A-dec designs and tests our lights for a minimum 20-year life. So the light always works when you need it.

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A-dec LED

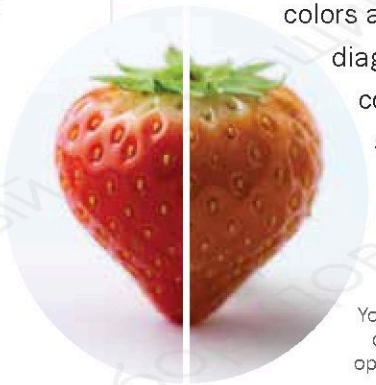
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Seeing colors as nature intended means an accurate representation and mix of the entire color spectrum. With true-to-life tones, a clear diagnosis is that much easier.

Solid performance. A-dec lights begin with proven parts, optically engineered specifically for dentists in their environment. A-dec LED lights are backed by a five–year warranty, but designed for a minimum 20-year life.

Easy on the eyes. Innovative light distribution creates a uniform pattern with a “stadium” effect to minimize shadowing, and feathered edge light pattern that reduces eye fatigue.

Exceptional illumination. A high color rendering index (CRI) of 94 mimics sunlight’s clarity and floods the oral cavity with light that reflects colors accurately for soft and hard tissue diagnosis. This high-quality light pattern conforms to the latest ISO9680 standards for brightness, color, rendering and uniformity.



High CRI Low CRI

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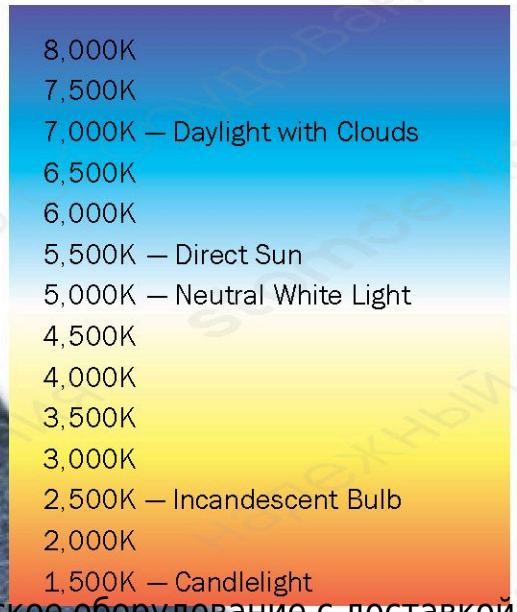
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Low power. No noise. No noise is good noise. The A-dec 300 uses a unique passive cooling method so there's no fan, and no radiant heat.

Ecologically and economically smart. Low heat LED lights are free of toxic chemicals, and produce little infrared light and close to no UV emissions. A-dec LEDs also consume 80-90% less power, are more than 20% brighter than most halogen lights, and have a life expectancy of 40,000 hours—all without ever having to change a bulb.

Perfect white light. Neutral is everything. The color of light, measured in Kelvins, affects everything you do as a doctor. Consistent 5,000K illumination produces a balanced clean, white light that replicates natural sunlight.



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NEW

A-dec 300 LED

There is a light that's just right for everyone. The new A-dec 300 was designed specifically for those who want the clarity and accuracy of the A-dec 500 LED, in a simple, economical version that's anything but a compromise.

A-dec 300 LED Light	
A-dec 300 LED light choices	— Integrated (data communication system "DCS") with A-dec touchpad. *Controlled via push button on light head or through integration with A-dec touchpad.* — Non-integrated with manual switch. *Limited to control via push button on light head. Available only on Performer or A-dec 200.*

Feature	Description	Why it's important
Stadium lighting	4 bright white LEDs	Reduces shadowing
Light intensity (two modes)	High: 25,000 lux (2323 fc) Low: 8,000 lux (743 fc)	Enough light to do the job right
Thermal output	24 BTUs (halogen average 325 BTUs)	No radiant heat
Composite mode	Yes - 8,000 lux (slow cure)	Allows more work time
Color temperature	5,000K	Accurate color matching
Light pattern	3.8" x 5.7" at 27.6" focal distance (95 mm x 145 mm at 700 mm)	Lights oral cavity, not patient's eyes
Feathered edge	Yes	Reduces eye fatigue
Lifespan	40,000 hours (~20 years)	Never change a bulb
Rotational axes	3-axis: horizontal, vertical, diagonal	Choose optimal ergonomic positioning
Compatibility	A-dec 500, A-dec 400, A-dec 300, A-dec 200, Performer	Select the option that works with your equipment

Note: Composite mode is an industry accepted term, not intended to meet the 2014 ISO 9680 5.2.10 standard.

A-dec LEDs provide uninterrupted performance for 20 years, while consuming 80-90-% less energy than halogen technology.

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See the advantages.



UNLIMITED POSITIONING

540° of horizontal rotation mean that you can rotate the light 1½ times in either direction. Combine that with 120° head tilt and 80° diagonal adjustment, and perfect placement is a sure thing.



TOUCHPAD CONTROLLED

Programmable buttons automatically turn light on when the chair back reclines, and powers it off when the chair moves to entry/exit position *(requires A-dec touchpad)*.



EASY ON/OFF

A simple bump lets you control the light, even during procedures.



CLEAN AND SIMPLE

With asepsis in mind, the light shield fits flat and tight to prevent dust accumulation inside. Barrier ready touch surfaces make it easy to clean the outside, too.

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Light Options

What works for you? Choose chair or post mount to accommodate your working style.



Chair Mount



Radius® Mount

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