A-dec 500 Light LED

A-dec
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.
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.
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.

You can see the difference when compared to less refined LED operatory lights with a lower color rendering index (CRI).
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. The A-dec 500 LED light consumes 75% less power, and is more than 20% brighter than most halogen lights. Low heat and free of toxic chemicals, it produces little infrared light and close to no UV emissions. And, with a life expectancy of 40,000 hours, you’ll never have 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.

| 8,000K                  |
| 7,500K                  |
| 7,000K — Daylight with Clouds |
| 6,500K                  |
| 6,000K                  |
| 5,500K — Direct Sun     |
| 5,000K — Neutral White Light |
| 4,500K                  |
| 4,000K                  |
| 3,500K                  |
| 3,000K                  |
| 2,500K — Incandescent Bulb |
| 2,000K                  |
| 1,500K — Candlelight    |
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 setempowers you and your team to sit comfortably, see clearly, and diagnose accurately, day after day.

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<th>A-dec 500 LED Light Feature</th>
<th>Description</th>
<th>Why it’s important</th>
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<td>Stadium lighting</td>
<td>8 bright white LEDs</td>
<td>Reduces shadowing</td>
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| Light intensity (four modes)| Low: 15,000 lux (1394 fc)  
                            Medium: 25,000 lux (2323 fc)  
                            High: 30,000 lux (2787 fc)  
                            Cure-safe: 23,000 lux (2137 fc) | Enough light to do the job right |
| Thermal output              | 77 BTUs (halogen averages 325 BTUs) | No radiant heat |
| Composite mode              | Cure-safe illumination provides brilliant yellow light at 23,000 lux (2137 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 | Select the option that works with your equipment |

A-dec LEDs provide uninterrupted performance for 20 years, while consuming 75-85% less energy than halogen technology.
See the advantages.

CURE SAFE

Cure safe setting at 23,000 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.
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

A-dec Headquarters
2601 Crestview Drive
Newberg, Oregon 97132 USA
Tel: 1.800.547.1883 within USA/CAN
Tel: +1.503.538.7478 outside USA/CAN
Fax: +1.503.538.0276
a-dec.com

A-dec Australia
Tel: 1.800.225.010 within AUS
Tel: +61.(0)2.8332.4000 outside AUS

A-dec China
Tel: 400.600.5434 within CN
Tel: +86.571.89026088 outside CN

A-dec United Kingdom
Tel: 0800.233285 within UK
Tel: +44.(0).24.7635.0901 outside UK

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