Touchless A-dec® LED

a dec®

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.

a-dec 10 YEAR WARRANTY

Backed by a 10-year warranty.

The difference is in the details.

PURE INNOVATION

Designed with silent passive cooling so the light stays cool—and so do you. Large, ergonomic handles are easy to grip, and made from industrial-grade resin that resists impact damage.

CLEAN AND SIMPLE

The touchless on/off sensor—and light/chair-position presets—maximize activation options while minimizing touchpoints and simplifying asepsis. Easier to clean and fewer barriers needed.

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

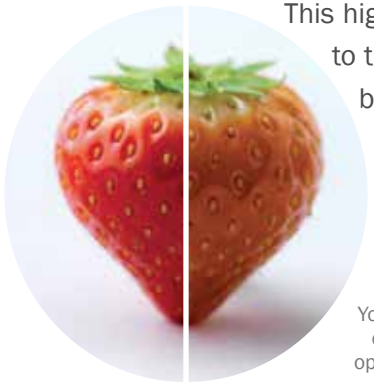
What color is natural?

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 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.



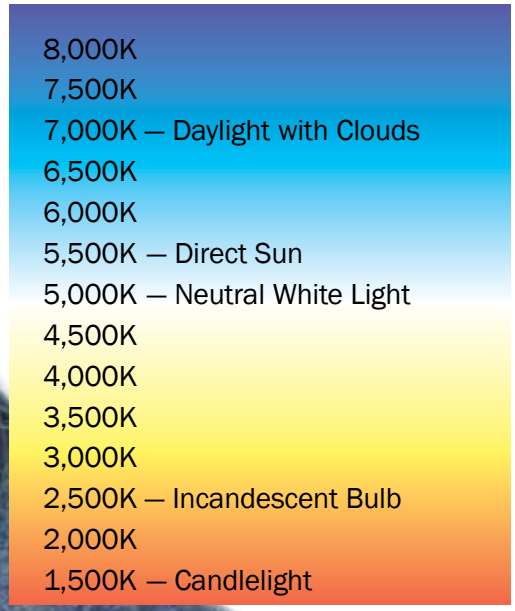
High CRI Low CRI

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

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

Ecologically and economically smart. A-dec LEDs consume 85% less power than halogen, without sacrificing brightness. 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.



A-dec 300 LED

There is a light that's just right for everyone. The A-dec 300 LED 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	51 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
Control inputs	Touchless on/off sensor, control pad, and auto on/off using chair presets	Flexible control and simplified asepsis
Compatibility	A-dec 500, A-dec 400, A-dec 300, A-dec 200	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 75-85% less energy than halogen technology.

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.

PRE-SET OPERATION

Program the light to automatically turn on when the chair back reclines, and power off when the chair moves to entry/exit position (requires A-dec control pad).

TOUCHLESS ON/OFF

Touchless design supports easy on/off within 3" (76mm).

EASY TO CLEAN

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.

Light Options

All options may not be available.
Check with your dealer for availability.

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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