

# A-dec Lights

LED • Halogen



 a-dec<sup>®</sup>

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Thoughtful engineering.  
Intuitive ease.  
Proven reliability.  
A-dec gives you lighting solutions designed for the dental environment.

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# Illuminate

*See colors at their natural best. Get shadow-free brightness that is easy on the eyes. Place your light exactly where you need it. A-dec dental lighting gives you proven innovation for all that you do.*

Whether it's **A-dec LED** or **A-dec halogen**, you can expect operatory lighting that is optically engineered to provide stunning uniformity while never compromising visual comfort or dental-team ergonomics. When you consider what creates optimal lighting, A-dec solutions combine technology with sophisticated design to create an exceptional user experience.





High CRI      Lower CRI

By producing a color rendering index (CRI) of 94 at 5,000K, the A-dec LED mimics nature. Observe the difference when compared to less refined LED operatory lights with a lower CRI.



# A-dec LED

Smart. Refined. True.

Smart lighting starts with the source. And the A-dec LED performs like no other, giving you advanced light performance with less eye fatigue, superior ergonomics, and low cost of ownership.



**Exceptional Illumination.** Flood the oral cavity with light for improved vision. The A-dec LED light features three intensity settings of 15,000, 25,000, and 30,000 lux—the maximum recommended by dental ergonomic specialists—without compromising a consistent 5,000K neutral white color temperature.

**Accurate Tissue Analysis.** Your dental light should accurately represent and mix the entire color spectrum in order to see true-to-life tones so you can diagnose clearly. By producing light that achieves a high color rendering index (CRI) of 94, the A-dec LED mimics sunlight's clarity.

The color of light, measured in Kelvins, affects everything you do. For a balanced clean, white light, A-dec's advanced LED illuminates at a consistent 5,000K.



**Illuminate without Curing.** A-dec's cure-safe mode provides brilliant yellow light at 25,000 lux, enabling the dental team to work effectively without curing photo-initiated resins.

**Easy on the Eyes.** Innovative distribution of light creates a uniform pattern with a "stadium" effect to minimize shadowing. The feathered edge light pattern reduces eye fatigue.

**Unparalleled Ergonomics.** Automatic hands-free operation turns the light on when the chair back reclines and powers off when the chair moves to the entry/exit position when used with A-dec 300 or A-dec 500 systems. The A-dec LED glides effortlessly for unlimited positioning with three axes and 540° of rotation. Simple, clean lines ensure easy cleaning.

**Low Power, No Bulbs, Low Heat, No Noise.** When it comes to cost of ownership, think *low*—and ecologically smart: the A-dec LED consumes 80% less power than halogen lights, with a life expectancy of 20 years. All without ever having to change a bulb. And because it doesn't emit heat or require a fan for cooling, it's both comfortable and quiet.



A-dec LED's three-axis, spherical rotation makes every movement fluid and ultra-precise.

In addition to eliminating the inconvenience and expense of bulb replacement, you can expect the A-dec LED to provide uninterrupted performance for 20 years while consuming 80% less energy than halogen technology.





# A-dec 500/6300

## Halogen 3-Axis

A-dec 500/6300 Light gives you a balanced light pattern with ideal contrast for a clear view of tooth topography. A neutral daylight color temperature allows accurate color/shade matching and tissue analysis. With a third axis of rotation for moving diagonally, you can angle the dental light so it fully illuminates the oral cavity no matter how you position the patient.

- Excellent color rendering index
- Bright pattern with strong uniformity
- Dependable brightness with easy-to-adjust intensity
- Unsurpassed shadow-reducing reflector technology
- Automatic on/off function with chair pre-sets
- Independent composite setting
- Spare-bulb storage on the dental light itself

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The light you perceive from the oral cavity can only be as good as the light delivered from the source.

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# Mounting Options

Whichever A-dec light fits you, choose the mounting solution to maximize space and accommodate your style.



# Specifications

When it comes to the way a light produces bright, full-spectrum illumination, not all operatory lights are equal. When it comes to providing superior quality solutions, A-dec is best-in-class.

	<b>A-dec LED Light</b> LED 3-Axis	<b>A-dec 500/6300 Light</b> Halogen 3-Axis
Rotational axes	Horizontal, vertical, diagonal	Horizontal, vertical, diagonal
Color temperature	5,000K	5,000K
Light pattern	3.8" x 5.7" at 27.6" focal distance (95 mm x 145 mm at 700 mm)	3.3" x 6.3" at 27.6" focal distance (85 mm x 160 mm at 700 mm)
Light intensity	Low: 15,000 lux (1394 fc) Medium: 25,000 lux (2323 fc) High: 30,000 lux (2787 fc) Cure-safe Illumination: 25,000 lux (2323 fc) yellow light	Composite: 8,000 lux (743 fc) Medium: 20,000 lux (1858 fc) High: 24,000 lux (2230 fc)
BTUs per hour	24	325
Power Consumption	15W	95W
Auto On/Off	Yes	Yes
Mode Selection	Yes	Yes
Remote Touchpad	Yes	Yes
Local Control	Yes	Yes



The deluxe touchpad gives you complete programmable and manual control of on/off and intensity settings.



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