A-dec® E72 LED Dental Light

Instructions for Use

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Regulatory Information and Warranty

For required E72 dental light regulatory information and the A-dec warranty, see the *A-dec E72 Regulatory Information, Specifications, and Warranty* document (p/n 87.0013.00) available in the Resource Center at www.a-dec.com.

For quick access to this and other E72 documents online, scan this QR code, which points to:

a-dec.com/resource-center?collection=E72-user-manuals

Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or +1.503.538.7478 worldwide, or visit www.a-dec.com.

Product Models and Versions Covered in This Document*

Models	Versions	Description
E72	n/a	Dental Light

** Equipment shown in this document may include optional features or accessories. Some products, versions, and options in this document may not be available in certain regions.*

Features/Light Specifications

Item	Description
1	Cure-Safe Lights
2	Light Handle
3	Touchless Sensor
4	Light Shield

Item	Specification
Power	15 watts maximum
Heat Output	51 BTU/hour
LED Type	white HB-LED, 91 CRI
Color Temperature	white 5000 Kelvin
Focal Range	16 – 30" (400 – 750 mm)
Light Pattern	3.9" H x 7.5" W at 27.6" (100 mm H x 190 mm W at 700 mm)
Nominal Light Intensity	
white light	high: 25,000 lux (2323 fc); medium: 20,000 lux (1858 fc); low: 15,000 lux (1394 fc)
cure-safe mode	16,000 lux (1486 fc)

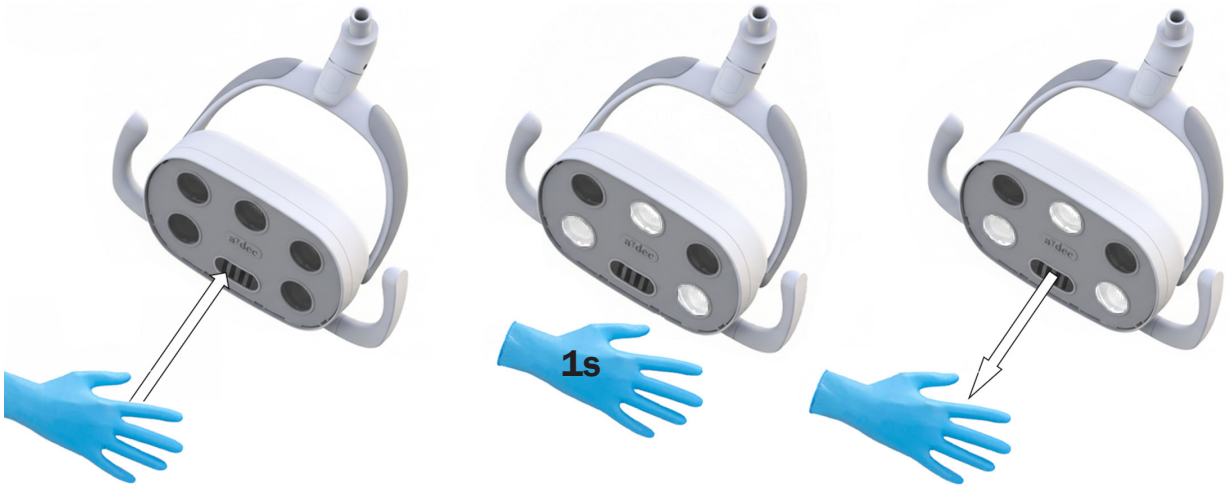
IMPORTANT For electrical specifications, identification of symbols, and other regulatory requirements, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.

For quick access to this document online, scan this QR code, which points to: a-dec.com/regulatory-guide.

NOTE Specifications are subject to change without notice. Requirements may vary depending on your location. For more information, contact your authorized A-dec dealer.

Operate/Adjust

Touchless Sensor



On/Off Operation

To turn the light on or off, move your hand within 1.5" (38 mm) of the touchless sensor, hold for 1 second, then move your hand away. The initial light intensity default is medium.

If the light does not turn on, verify that the delivery system and/or chair power is on.

NOTE Black gloves may impact the sensor's ability to activate the dental light. If you are using white or light-colored gloves and the light still does not turn on, verify that the delivery system or chair power is on.

Touchless Light Sensor *(continued)*

Light Intensity Settings

To change the light intensity, move your hand within 1.5" (38 mm) of the touchless on/off sensor, and hold for 1-second increments for each intensity change. When your desired setting is reached, simply move your hand away.

The intensities activate in the following hold sequence:

- 1 second - medium intensity *(initial on setting)*
- 2 seconds - high intensity
- 3 seconds - cure-safe mode
- 4 seconds - low intensity

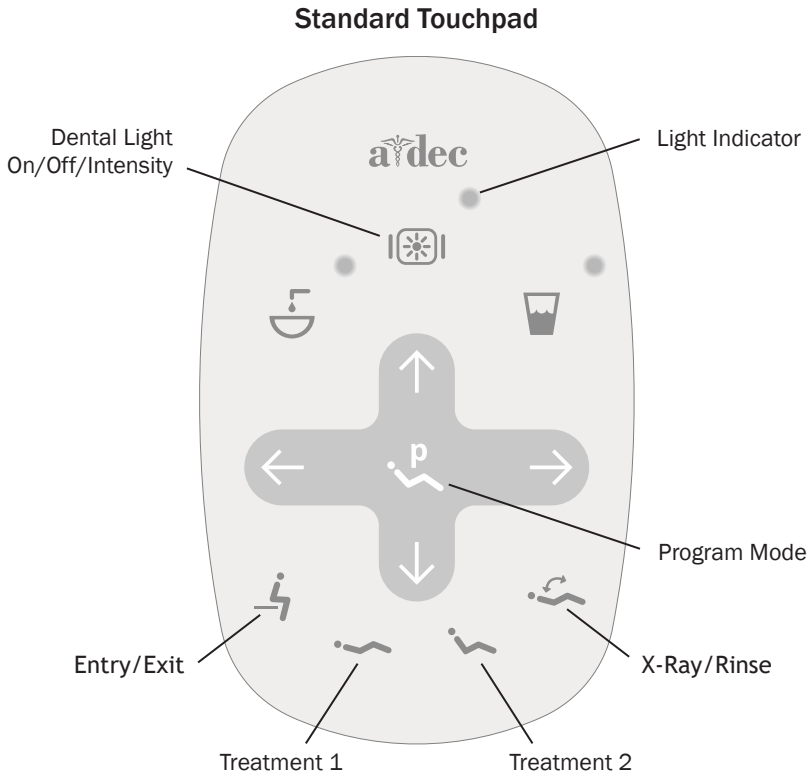
NOTE If your hand remains in front of the sensor after 4 seconds, the light returns to the initial medium setting, then repeats the same sequence. After 8 cycles, the light will stop at the medium intensity. Move your hand away and back again to change the intensity.

Cleaning Mode

To activate the cleaning mode, turn on the light, then move your hand within 0.25" (6 mm) of the touchless on/off sensor and hold for 3 seconds. One beep indicates that the cleaning mode is activated. The sensor is temporarily disabled to allow for cleaning of the light shield. After 15 seconds, one beep indicates that the cleaning mode has ended. After cleaning, move your hand back to the sensor as you would normally to turn on the light.

See the **Clean/Maintain** section for more information on cleaning and barriers.

Operate the Dental Light with Touch Controls*



IMPORTANT Standard touchpad is shown. For other touch controls, see the user support materials included with your delivery system.

Turn On/Turn Off the Dental Light and Change the Intensity

From the touchpad:

- Press to turn on the light.
- Repeatedly press and release to toggle between light intensity modes. The light indicator flashes continuously in cure-safe mode.
- Press and hold to turn off the light.

Set the Dental Light Auto On/Off Function

When you press or on the touchpad, the dental light automatically turns on once chair motion stops. The light turns off when you press or .

Press and hold and at the same time to disable or enable the auto on/off function.

- **One beep** indicates this function is off.
- **Three beeps** indicate this function is on.

**Note.* Touch control symbols and icons are proprietary to A-dec, Inc.*

Lighting Features

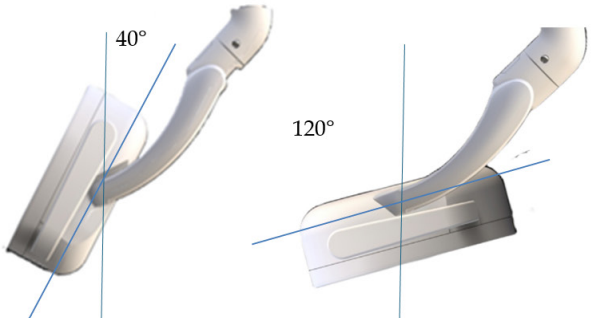
Cure-Safe Mode

Cure-safe mode provides effective illumination while preventing the premature curing of photo-initiated composites, sealants, and adhesives. This mode uses a low intensity light setting and a non-reactive wavelength of light.

Focal Range

The dental light features a fixed focal range that provides optimum illumination between 16 – 30" (400 mm – 750 mm) from the oral cavity.

Range of Motion

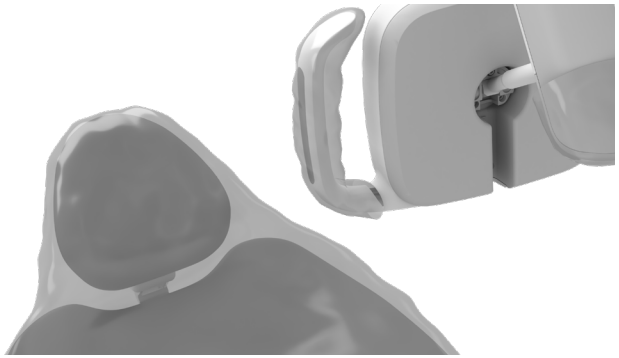


NOTE Tension adjustments require disassembly. Please contact your authorized A-dec dealer if the light requires adjustments.

Three axes of rotation provide a wide range of motion. Use this capability to position the light for a clear view of tooth surfaces and minimal interference with other equipment and the dental team.

Clean/Maintain

Protect with Barriers



NOTE For proper use and disposal of barriers, see the barrier manufacturer's Instructions for Use.

A-dec recommends barrier protection for all applicable touch and transfer surfaces. Touch surfaces are areas that come into contact with hands and become potential cross-contamination points during dental procedures. Transfer surfaces are areas that come into contact with instruments and other inanimate objects.

In the USA, barriers must be produced under the Current Good Manufacturing Practice (CGMP) as specified by the U.S. Food and Drug Administration (USFDA). For regions outside the USA, refer to the medical device regulations specific to your location.

IMPORTANT For recommendations on cleaning and chemical disinfection of touch and transfer surfaces (where barrier protection is not applicable or when barriers are compromised), please see the *A-dec Equipment Asepsis Guide* (p/n 85.0696.00).

Dental Light Barriers

Light Handles

Use barriers on the light handles to prevent cross contamination. The handles are shaped to easily accept the same disposable plastic sleeves designed for the air/water syringe.

Light Shield

CAUTION Do not attempt to remove the light shield or you may damage the light. If debris or liquids appear behind the shield, contact your authorized A-dec dealer to remove and clean or replace the shield.

Barriers help protect and keep the dental light shield clean during procedures. Use only optically-correct barrier film that does not alter the light quality. If you do not use a barrier, carefully clean the light shield in place using a soft cotton cloth with non-abrasive soap and water.

Dental Light Maintenance Parts

Description	
E72 Shield Assembly	

Contact your authorized A-dec dealer for available dental light maintenance parts.

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