

81007BC

Head-Mounted LED Magnifier — Frequently Asked Questions

What is the 81007BC used for?

The 81007BC is a head-mounted optical magnification aid designed to provide visual enlargement and localized illumination for precision visual work in professional environments.

It is intended to support close-up visual tasks where hands-free magnification and additional illumination are required.

Is the 81007BC intended to perform a medical function?

No. The 81007BC is an optical magnification aid. It does not perform diagnostic, therapeutic, monitoring or interventional functions and should not be used as the basis for clinical decision-making.

Can the 81007BC be used by doctors or clinical professionals?

Yes. The 81007BC may be used by professionals who require hands-free optical magnification and localized illumination for precision visual work.

Use should always follow the user's internal protocols, working procedures and applicable safety requirements.

Is the 81007BC supplied sterile?

No. The 81007BC is not supplied sterile and is not intended for direct patient contact.

Can the 81007BC be used in a sterile field?

The 81007BC should be treated as non-sterile external optical equipment unless otherwise validated by the user's own facility procedures.

It should not come into direct contact with the patient, sterile instruments or sterile materials.

What magnification levels are included?

The 81007BC includes four replacement lenses with the following magnification levels:

1.5× 2.0× 2.5× 3.5×

What are the focal distances of the lenses?

The focal distances are:

1.5× — 333 mm 2.0× — 250 mm 2.5× — 200 mm 3.5× — 142 mm

Why do I need to hold the object at a specific distance to focus?

Each lens has a fixed focal distance. For the image to appear clear, the working object must be positioned within the appropriate focal range of the selected lens.

Using the magnifier too close or too far from the object may result in a blurred image.

Why does the image look blurry?

A blurry image may be caused by one or more of the following:

The selected magnification level is not suitable for the working distance. The object is outside the optimal focal range. The lens is dirty, smudged or scratched. The magnifier angle or position is not properly adjusted. The

illumination level is not sufficient for the task.

Select the appropriate lens, adjust the working distance, clean the lens surface and ensure that the LED light source is functioning properly.

Can the lenses be replaced?

Yes. The 81007BC uses interchangeable replacement lenses. The user can select the appropriate magnification level according to the required working distance and visual task.

How many replacement lenses are included?

The package includes 4 replacement lenses.

What material are the lenses made of?

The lenses are made of optical acrylic. This material is lightweight and provides good optical clarity, but it is not shatterproof and may be damaged if dropped, bent or handled improperly.

How should the lenses be handled?

Handle the lenses by their edges to avoid fingerprints, scratches or damage.

When not in use, store the lenses in the protective carrying case or lens storage box.

How should I clean the lenses?

Use the supplied wipe cloth or a soft, lint-free cloth to clean the lenses.

Do not use alcohol, gasoline or other chemical liquids to clean the lenses or housing.

Can I use disinfectants on the lenses or housing?

No validated disinfection or sterilization procedure is provided for this product.

Avoid harsh chemicals, alcohol-based liquids, solvents and abrasive materials, as they may damage the lenses or housing.

Can the 81007BC be autoclaved?

No. The 81007BC must not be autoclaved or exposed to high temperature, steam sterilization or immersion cleaning.

Does the 81007BC have built-in lighting?

Yes. The front light module is equipped with 4 integrated LED units.

Can the brightness be adjusted?

Yes. The LED light source supports brightness adjustment. Pressing the power switch allows the user to select the available light level according to the working environment.

Why is the LED light not working?

Possible causes include:

The battery is not charged. The charging cable or power adapter is not working properly. The power switch is not making proper contact. The battery level is too low.

Charge the unit fully using the supplied USB Type-C charging cable and try again. If the issue continues, contact Paranton for support.

What should I do if the LED brightness seems insufficient?

Make sure the battery is fully charged.

Check that the LED light source is turned on and set to the appropriate brightness level.

Use the magnifier in a properly illuminated working environment. Additional external lighting may be required depending on the task and surrounding conditions.

Does the 81007BC have a battery level display?

Yes. The battery level indicator displays the remaining power level in four stages:

25% 50% 75% 100%

How is the 81007BC charged?

The 81007BC is charged using the supplied USB Type-C charging cable.

Connect the Type-C end of the cable to the charging port of the LED light source box, then connect the USB end to a compatible power source.

What power sources can be used for charging?

The unit may be charged using a compatible USB power source, such as a USB charger, computer USB port or portable power source.

Use only a suitable charging cable and power source.

Can I use the LED light while charging?

For safe use and battery protection, do not use the LED light source while charging.

What is the battery capacity?

The battery capacity is 300 mAh.

What is the battery model?

The battery model is 702025.

What is the nominal voltage?

The nominal voltage is 3.7V.

What is the charging interface?

The charging interface is USB Type-C.

Can the headband be adjusted?

Yes. The rear tension adjustment wheel allows the headband to be adjusted for a secure and comfortable fit.

Can the viewing angle be adjusted?

Yes. The side locknuts allow the user to adjust the upper and lower angle of the magnifier.

After adjusting the angle, tighten the locknuts to secure the position.

Can the 81007BC be worn over prescription glasses?

The head-mounted design may allow use over prescription glasses, depending on the user's fit and comfort. Users should check that the magnifier sits securely and that the working distance remains suitable for the selected lens.

What is included in the package?

The package includes:

1 pc × Protective Carrying Case 1 pc × Head-Mounted Magnifier Unit 4 pcs × Replacement Lenses 1 pc × Wipe Cloth 1 pc × USB Type-C Charging Cable 1 pc × User Manual

How should the product be stored?

Store the magnifier in the protective carrying case when not in use.
Keep it away from direct sunlight, excessive heat, moisture, dust and impact.

What should I avoid when using the magnifier?

Do not observe the sun or other high-intensity light sources through the magnifier.
Do not look directly into the LED light source.
Do not place the magnifier in direct sunlight for extended periods.
Do not drop, bend or apply excessive force to the lenses, frame or adjustment parts.
Keep out of reach of children.

What should I do if the frame or lenses are damaged?

Stop using the product if any part is cracked, broken, unstable or visibly damaged.
Contact Paranton for support, replacement parts or further assistance.

Where can I find the full user instructions?

The full operating instructions are included in the official 81007BC User Manual.

Where can I find the safety precautions?

The safety precautions are included in the official User Manual and are also available on the 81007BC product support page.
