

❖ BETA 400 LED F.O. Otoscope – FAQ

1. What are the main features of the BETA 400 F.O. LED otoscope?

The 4.2x-magnification which is the highest magnification any otoscope on the market, the exceptional depth of field which provides sharp special images in a convenient working range as well as the possibility to one-handedly operate the instrument with brightness control via the BETA handle and flip-up optics which allow instrumentation through instrument.

The newest feature is of course its LED^{HQ} illumination – the new exclusive standard in LED illumination.

2. Why wasn't there an LED option before?

HEINE strives to deliver the ideal illumination to provide for the best diagnosis in any given application. So we believe that just any old LED will not do. We did not want to equip our otoscope with LED until we could make sure that we have an LED that adequately suits the diagnostic requirements for otoscopy. We have now been able to adapt our LED^{HQ} to such requirements (in particular the continuous brightness setting) and are confident about its benefits for the user.

3. Is the BETA 400 LED F.O. brighter than the XHL-version?

Yes, much brighter. In comparison (with 5mm tip): LED approx. 77.000 lux, XHL approx. 28.000 lux.

4. Can end-users change the LED by themselves?

End-user cannot change the LED. And they don't need to. With a life of >100.000 h, they could use the ophthalmoscope for at least 6 h per day, five days a week for the next 64 years!

5. It is regularly the case that LEDs brightness cannot be controlled very well. Is this the case here too?

By using high-quality materials and sophisticated engineering step-less brightness control between 100% and 3% is possible.

6. Which tips can be used with the BETA 400 LED F.O. otoscope?

It can be used with all AllSpec[®] disposable tips as well as with all reusable tips.

7. Which handles can be used for the BETA 200 LED F.O.

The new BETA 4 handles (BETA 4 NT, BETA 4 USB, BETA 4 SLIM), as well as the last BETA generation rechargeable handles (BETA L, BETA NT, BETA TR, BETA R) and the EN 100.

8. Why is the BETA 200 LED F.O. slightly longer (higher) than the XHL-version?

The LED otoscope-head was slightly extended, to be able to fit more technology into the instrument. All of this was needed for the LED adjustment controls. Especially the optical coupling of the LED light source into the optic system of the otoscope needs minimally more space.

