



Experience HEINE ML4 LED HeadLight

Perfect fit. Perfect view.
During long procedures.

Specially designed for healthcare professionals who need a perfect view during long surgical operations or treatments. The headband offers multiple adjustments points and soft padding ensuring highest comfort and a firm fit.

LED HQ
LED NOW IN HEINE QUALITY.



TOPSELLER IN ALL SURGICAL SPECIALTIES

● **Choose your power source.** Wireless, headband-mounted (UNPLUGGED) or portable power pack (mPack) (see page 6).

● **Perfect fit.** Through multiple adjustment points.

● **Shadow free image.** Through a compact coaxial design.

● **Adjustable spot size.** e.g. 30 to 80mm at 420mm working distance – for an optimal field of view.

● **Unique HEINE LED^{HQ}.** Homogenous. True colour rendering.

● **i-View loupe mount.** For any angle of view. With flip-up function.



> For ordering information, please see the last page or visit www.heine.com

∴ There's LED. And there's LED^{HQ}

● With LEDs there are big quality differences. HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.

That's what we call LED in HEINE Quality – or LED^{HQ}.

Illumination

Every HEINE instrument with LED is developed in such a way that it delivers optimal illumination edge to edge without distracting reflections for the application in question. Depending on the application area, the instrument is either preset or the brightness can be adjusted steplessly from 3–100%. This feature is patented since early 2018 for all dimmable BETA LED^{HQ} instrument heads.

Colour rendering

The colour rendering index (CRI) shows how accurately colours are portrayed compared with daylight. HEINE LED^{HQ} instruments achieve exceptionally high CRI values to ensure that the user sees the colours as they are during each examination – for absolutely reliable and precise diagnosis.

Operating life

Thanks to a special thermal management the LED^{HQ} always operates in the optimal temperature range. This guarantees consistent performance and an unlimited operating life. That's why our LED^{HQ} instruments are virtually maintenance-free, as there's no longer a need to replace the light source.

LED^{HQ}

LED NOW IN HEINE QUALITY.



Conventional LED



HEINE LED^{HQ}



Conventional LED



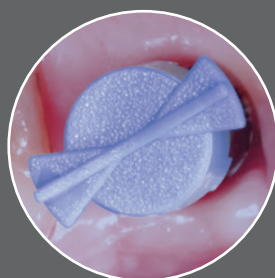
HEINE LED^{HQ}

PERFECT ILLUMINATION

... AND BRIGHT AND HOMOGENOUS ILLUMINATION AND TRUE COLOUR RENDERING



Without light and without magnification



With a comparable competitor product (with illumination and with magnification)



● With HEINE 2.5x Binocular Loupes and LoupeLight2

LED^{HQ}

LED NOW IN HEINE QUALITY.

Experience true individuality

Ordering information.

PERFECT VIEW

ML4 LED HeadLight
on Headband
Professional L with
HR Binocular Loupes
and S-GUARD

J-008.31.441

MicroLight2
on lightweight
headband

J-008.31.277

ML4 LED HeadLight
on Headband
Professional L

J-008.31.416

LoupeLight2
on S-FRAME
with HR Binocular
Loupes

C-008.32.451

LoupeLight2
on S-FRAME
with HRP
Binocular Loupes

C-008.32.453



Our most trusted sets:

LOUPES AND LIGHTS

ML4 LED HeadLight with HR/HRP Binocular Loupes with i-View loupe mount and S-GUARD on Headband Professional L, mPack and plug-in transformer, cleaning fluid

with HR Binocular Loupe 2.5x / 420mm working distance

J-008.31.441

with HRP Binocular Loupe 3.5x / 420mm working distance

J-008.31.442

LoupeLight2 with HR/HRP Binocular Loupes with i-View loupe mount on S-FRAME, detachable yellow filter, mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer, protective lenses, 2 sterilisable levers, retaining cord, cleaning fluid, case

with HR Binocular Loupe 2.5x / 420mm working distance

C-008.32.451

with HRP Binocular Loupe 3.5x / 420mm working distance

C-008.32.453

LIGHTS ONLY

ML4 LED HeadLight on Headband Professional L with Wall Transformer EN50 UNPLUGGED, 2x mPack UNPLUGGED

J-008.31.416

MicroLight2 on lightweight headband with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer, retaining cord and cleaning fluid, case

J-008.31.277

LOUPES ONLY

Binocular Loupes Sets with i-View on S-FRAME, Protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, cleaning cloth, case

with HR Binocular Loupe 2.5x / 420mm working distance

C-000.32.356

with HRP Binocular Loupe 4x / 340mm working distance

C-000.32.431

Find your individual combination with all the various loupes options on www.heine.com/binocular_loupes_headlights

