



**Upgrades for  
the human eye.**

# Perfect long term perspective.

## Choose your power source

Headband-mounted (UNPLUGGED)  
or portable power pack (mPack)

**Operating time:** typ. 8.5 hours with mPack  
and typ. 3.5 hours with mPack UNPLUGGED  
of continuous ON time at full power\*



## i-View loupe mount

For any angle of view. With flip-up function

## HEINE ML4 LED HeadLight

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

### 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

### Unique HEINE LED<sup>HQ</sup>

90,000 Lux. Homogenous.  
True colour rendering

\*Measured at a working distance of 180mm from  
the light emission to the object

# What the optometrist recommends to the dentist.



## **i-View loupe mount**

For any angle of view. With flip-up function

## **Aluminium housing**

Light weight and durable

## **HEINE MicroLight2: MAGNIFICENT WITHOUT MAGNIFICATION**



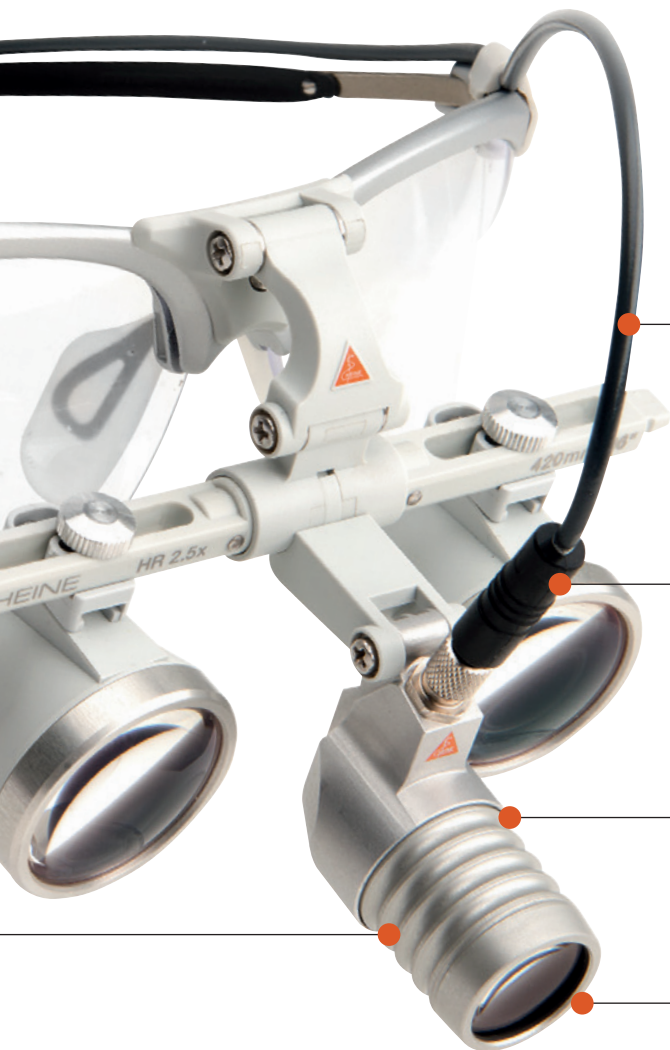
MicroLight2 on S-FRAME



MicroLight2 on  
Lightweight headband

## HEINE LoupeLight2

Most trusted by dentists and ENT specialists: The combination of light and loupe delivers the ultimate in performance as high quality illumination with LED<sup>HQ</sup> maximises the image quality of the loupe. The LoupeLight2 features a replaceable connecting cord which connects the device to the mPack mini – the compact power source for the LoupeLight2.



**Operating time:** typ. 9 h with mPack mini (in continuous operation at full power typ. 4 hours)\*

**Replaceable high quality connecting cord** with a splashproof threaded connector

**Shadow free image** through a compact coaxial design

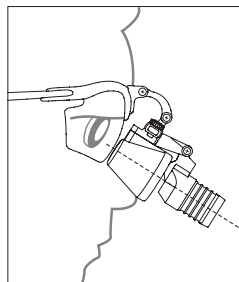
**Unique HEINE LED<sup>HQ</sup>**  
55,000 Lux. Homogenous. True colour rendering

\*Measured at a working distance of 180mm from the light emission to the object

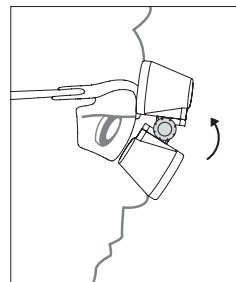
# Quality at every glance.

## EXPERIENCE HEINE BINOCULAR LOUPES

- ▶ High resolution and crisp image with various magnifications
- ▶ Less tiring work, even during long procedures thanks to a
  - ▷ Crisp, high-resolution image
  - ▷ Large field of view
  - ▷ Homogenous magnification
  - ▷ Lightweight
  - ▷ Multi-coated, achromatic technology (HR) or Prismatic for high resolution (HRP)
- ▶ Unique HEINE i-View. Adjustable viewing angle ensures a coaxial, shadow-free image [01]
- ▶ Flip-up function. Ability to flip optics up for unmagnified views and overview [02]



[01]



[02]



# There's LED. And there's LED<sup>HQ</sup>.

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 – LED<sup>HQ</sup>.

## 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. So you can rely on an uncompromisingly bright field of illumination for uniform illumination during an examination.



## COLOUR RENDERING

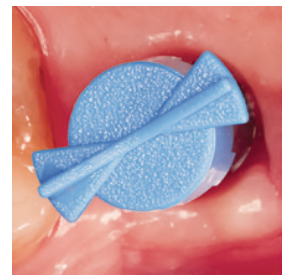
The colour rendering index (CRI) shows how accurately colours are portrayed compared with daylight. HEINE LED<sup>HQ</sup> instruments achieve exceptionally high CRI values to ensure that the user sees the colours as they are during each examination – for absolutely reliable and precise diagnosis.



Without light and without magnification



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



With HEINE 2.5 x binocular loupes and LoupeLight2

## OPERATING LIFE

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

# Perfectly combined. In only 4 steps.



S-FRAME

1



Professional L Headband

## MOUNTING OPTION

In a lightweight professional design for fatigue-free work.

2



HR 2.5x | 340mm



HR 2.5x | 420mm



HR 2.5x | 520mm



HRP 3.5x | 420mm



HRP 4x | 340mm



HRP 6x | 340mm

## MAGNIFICATION AND WORKING DISTANCE

Choose the smallest magnification that fulfils your requirements. The lower the magnification, the easier it is to use the loupes due to the larger field of view and better depth of focus. The working distance depends on personal preference.

3

## ILLUMINATION

Choose between LoupeLight2 and ML4 LED.



- LoupeLight2 for S-FRAME
- ▶ Compact and lightweight
  - ▶ Coaxial illumination



- ML4 LED HeadLight for Professional L Headband
- ▶ Coaxial illumination
  - ▶ Flexible power source options

4

## POWER SOURCE



- mPack mini
- ▶ Portable power pack



- mPack
- ▶ Portable power pack



- mPack UNPLUGGED
- ▶ Wireless Headband-mounted

# Your ordering information at a glance.

## 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

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 cloth, 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 EN 50 UNPLUGGED, 2x mPack UNPLUGGED

**J-008.31.416**

**MicroLight2 on lightweight headband** with mPack mini, mPack mini belt clip, E4-USB plug-in transformer, 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 cloth, carrying 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](http://www.heine.com/binocular_loupes_headlights)

# Quality made in Germany.

We live and breathe quality. In everything we do. Every product we make. Every lens we polish. Every screw we tighten. Every optic fiber we bundle. Always. Every day.

The durability of our primary diagnostic instruments is legendary. Every single instrument is the result of decades of product development, continuous improvements, production and a 100 % quality control in our own facilities. We make certain that our high expectations of quality are maintained.

It is how we ensure that our high-end products meet our claim of providing the most accurate and earliest possible diagnosis.

No more, no less.

**HEINE Optotechnik GmbH & Co. KG**

Dornierstr. 6, 82205 Gilching, Germany  
[www.heine.com](http://www.heine.com)



We reserve the right to change specification without notice.

02|24. A-000.00.257 EN

