

I.C. LERCHER

SURGICAL LOUPES



**Loupes
and accessoires**

Individually adjustable

VDC loupe technology

Perfect wearing comfort

Fashionable colours

Our Surgical-Loupes

with VDC loupe technology



VDC optics with customized adaptation to prescription and working distance

Optional clip for individual glasses for long and short distance correction

Waterproof and high-resolution TTL optics for brilliant visual comfort

Lightweight glasses frame made of flexible plastic for perfect protection in two sizes

Pliable temples with rubber inserts for perfect adjustment to the head

Magnetic adapter for quick attachment and detachment of the LED light ^{plus}

Individually adjustable nose pads in two sizes for the perfect fit

patented click in system for clip comfort head band made of washable textile

Fog-free protective glasses in three sizes for a perfect protection

Extremely high depth of field and brilliant edge acuity

For decades I.C. LERCHER has been synonymous with exceptional quality in the field of dental technology. In the development of our latest generation of loupes, we have further perfected the interplay of premium optical quality and features that make our loupes extremely comfortable to wear.

The new VDC lens system (Variable Distance Control) attains both an extremely high depth of field and excellent edge acuity at 2.3x, 2.8x and 3.8x magnification.

The combination of a new anti-mist protective visor, a replaceable comfort nose pad and the dioptre adjustment option for people who wear glasses opens up completely new viewing possibilities and ensures improved wearing comfort – and everything at the highest safety standards.

TTL X-View 2.8

Amazing universal

By using VDC lenses within the field of TTL technology (Through The Lens), we have succeeded in manufacturing a loupe that can be used for an astonishingly wide range of applications. The close positioning of the loupe to the eye provides a crisp image and depth of field that enables treatments to be carried out effectively in all kinds of situations.



TTL M-View 2.8

The compact class

The newly developed M-View is the optical center of our loupe-systems. With its large field of view, it is also possible to easily capture the entire mouth bow, as well as with their amazing depth of field to take a comfortable position for each activity. All this with excellent overview and maximum comfort.



Properties

	Magnification	Work distance	Visual field	Depth of field	VDC loupe technology	Waterproofed Loupes	Dioptrre balancing
	🔍	📏	⊖	≡	👁️	💧	∞
X-View TTL 2.8	2.8x	individually	110 mm	200 mm	✓	✓	✓
M-View TTL 2.8	2.8x	individually	90 mm	170 mm	✓	✓	✓
S-View TTL 2.8	2.8x	individually	80 mm	140 mm	✓	✓	✓

TTL S-View 2.8

Less is more

The TTL S-View VDC loupe is a further addition to the product family. The perfect balance between weight and wearing comfort will particularly be noticed by dental professionals who find a "conventional" TTL loupe too heavy. Similar to the TTL X-View loupe, the loupes are positioned extremely close to the eye, likewise making the S-View the perfect choice when it comes to visual performance and depth of field.



TTL M-View 3.8

The new dimension

Specifically for the needs of modern methods of treatment a completely new loupe-generation was created. The M-View 3.8 achieved an impressive 3.8x magnification without the use of a heavy, optical limited prism system. The result is amazing: large field of view, wide depth of field, and the perfectly balanced weight ratios at 3.8x magnification.



TTL E-View 2.3

The entry-level model

The ideal way to enter a world of brilliant vision. This model also deploys VDC-technology developed by I.C.LERCHER. Designed for entry-level users and students, as well as for prophylaxis, support and laboratory tasks, this TTL loupe is comfortable to wear, easy to use and offers excellent visual performance.



Properties

	Magnification	Work distance	Visual field	Depth of field	VDC loupe technology	Waterproofed Loupes	Dioptre balancing
M-View TTL 3.8	3.8x	individually	70 mm	130 mm	✓	✓	✓
E-View TTL 2.3	2.3x	350 mm	100 mm	160 mm	✓	✓	
E-View TTL 2.3	2.3x	420 mm	110 mm	180 mm	✓	✓	
X-View Flip-Up	2.8x	340 mm	100 mm	140 mm	✓	✓	✓

X-View Flip-Up 2.8

Simply flexible

Visual contact with the patient was a particularly important aspect of the design of the new flip-up loupes. Emphasis was placed on a slim, high-quality and attractively designed unit. In contrast to conventional models, they allow dental staff to retain that all-important direct visual contact with the patient.



LED light ^{plus}



 Weight	6 g
 Brightness 3-levels	50000 LUX, 25000 LUX, 15000 LUX
 Battery technology	LI-IONEN technology - rechargeable
 Battery life	8 h at 50000 LUX
 Orange filter	available
 Housing colours	white - black - titanium
 LED light colour	Daylight temperature 5600 K
 Adapter system	I.C.LERCHER loupe magnet system, adapter for all standard loupes available
 Cleaning	disinfected, no air openings available

Compact, lightweight and enormous light

The new lighting-generation of I.C.LERCHER is based on a high-power LED. Developed specifically for the dental industry, the LED light ^{plus} is extremely bright and provides a coaxial illumination for shadow-free illumination of cavities. Thus, a breaking of the light at the margin of the cavity is not possible, the illumination of root canals is optimal.

Our new LED technology offers a brightness that rivals a fixed surgical light in anything. The LED light ^{plus} makes a surgical light unnecessary in many cases. In addition, there is no

annoying adjustment of light, because the illumination of the LED light ^{plus} is coupled with the field of vision of the dentist - even with indirect work on mirrors.

The compact LED light ^{plus} impresses with its daylight-like color temperature of 5500 Kelvin, the very low weight of only 6g, the mobile application through battery technology and the adaptation system for all standard loupes such as Orascoptik, Zeiss, Heine, SurgiTel and many other ...

Easy assembly

Fast attachment and detachment of the LED light ^{plus} by I.C.LERCHER magnetic adapter.



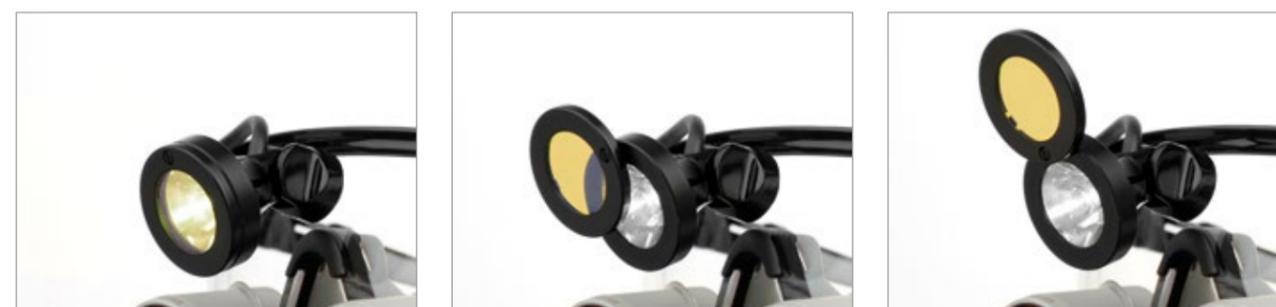
LI-ION rechargeable battery VARIO 3

For the operation of the LED light ^{plus} with 3 levels of brightness (includes charger included with the LED light ^{plus}).



Orange filter for the LED light ^{plus}

Antipolimerisationsfilter now traversable. This eliminates the hassle of dismantling, during treatment, by simply swirling.



LED loupe adaptations

Fits to most loupes

Perfect assembly by I.C.LERCHER adaptertypes.
The LED light ^{plus} you can request with a premounted adapter for your Surgical-Loupe-Type.

Here are some examples of available adapter combinations - more on request.

Universal Clamp

with magnet system
for all eyeglass frame



Zeiss Loupes

LED light ^{plus} magnet system
for Zeiss Loupes



Orascoptic Loupes

LED light ^{plus} magnet system
for Orascoptic Loupes



Heine Loupes

LED light ^{plus} magnet system
for Heine Loupes



Individual comfort

Lenses



Standard-Lens
for a normal facial
anatomy.
Suitable for
Large-Frame.

Medium-Lens
for a small facial
anatomy.
Suitable for
Large-Frame.

Slim-Lens
for a small facial
anatomy.
Suitable for
Slim-Frame.

Frames



Standard-Frame
for a normal facial
anatomy.

Slim-Frame
for a small facial
anatomy.

Colours



Dioptr balancing



Dioptr balancing
Optional clip for
individual glasses
for long and short
distance correction
for perfect overview.



680 016-1 printed in Germany