

DENTAL PRODUCTS

Hygienically outstanding.
Visually world class.



CAMERA SYSTEMS

*The perfect image for
a clear diagnosis.*



Designed for one goal: The perfect picture.



Perfect pictures.

With no compromises.

The **D-CAM HD S** was completely redesigned with this goal in mind. The anti-fog HD optics are handcrafted with special glass lenses that project a distortion-free image onto the HD sensor. In combination with integrated, shadow-free lighting, this sensor captures true-color images in stunning brilliance. Use the stepless focus ring to capture every moment in crystal-clear detail at millions of pixels. The result is a detailed image of the tooth and tissue structures on any tooth, in any mouth.

D-CAM HD S, made for one task: The perfect picture.

Small vibrations. A big impact.

Just show the **D-CAM HD S** what you want it to record and it does the rest. No matter for right- or left-handers or for the upper or lower jaw. When you touch one of the four adjustable touch segments, a short vibration indicates that the camera is ready. Lift your finger from the segment and in milliseconds the system adjusts the brightness of the LED lighting, parameterizes the high-resolution HD sensor, and captures an image of the tooth at millions of pixels. The only thing you feel is just a second vibration.

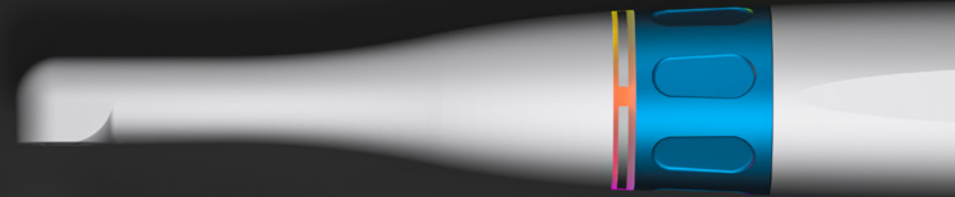
Simply put: Touch. Bzzzz. Shot.

Click. And get going.

The **LONG-LIFE** metal coupling not only lets you attach and detach the instrument quickly – you can use it in any treatment room.



Aluminum and glass. A perfect duo.



Durability. Ergonomics.

Balance. Function. Design.

All these aspects are clear to see in the housing of the **D-CAM HD S**. Starting at the tip, the precision-machined aluminum housing hugs the glass-crafted HD optics like a skin. This long, narrow shape lets you reach even the most difficult spots with ease. The outer contour flows smoothly into the touch area featuring an integrated status display and the stepless focus ring. The handpiece with tapered sides is the finishing touch. They make positioning easy and keep the **D-CAM HD S** from rolling away by accident.

The balanced design and versatile controls guarantee the best ergonomics. It is therefore not only perfectly equipped for day-to-day use but it also handles longer treatments like a pro.

Unique users need customized devices.

How you take a picture is up to you – there are so many options. Simply use the menu to select your favorite functions and save them directly to the camera.

The **D-CAM HD S** then becomes your very own **D-CAM HD S**. The settings stay the same, even if new functions come along. You are notified when new functions are available and can use the online update to benefit from improvements and new features – even after your purchase.

Extremely tough. Easy to clean.



Hygiene through quality.

Thanks to the smooth housing without edges or grooves, you can disinfect the instrument simply by wiping it with commercially available disinfectants approved by the RKI. By avoiding plastic parts and using high-quality aluminum, long-term use is guaranteed even with multiple cleanings every day.

Annoying hygienic sleeves are now a thing of the past. These are not only awkward to pull on and cause additional costs and waste. They also reduce the quality of the image enormously.

A clear image – hygienic and high-quality!

Integration? No problem!



Simple. Yet versatile.

Easy operation begins with a simple set-up: Simply connect the standard USB port and, thanks to UVC technology, the auto-detection starts and installs the **D-CAM HD S** completely on its own.

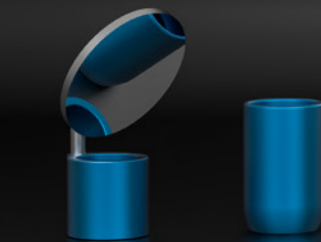
Whether for full integration into the existing dental office software or a simple application, we have the solution. With our smart L-CAP software, you can easily capture images, discuss them with the patient, and file them as needed. Just like that.

If you need to integrate the camera directly into the office software, our TWAIN connection comes into play. You can use it to start the **D-CAM HD S** comfortably from your office software, capture images, discuss them, and then save them with the patient data.

Whatever you are planning to do, we'll make sure that all you get are perfect pictures. Quite simply and with no hassles.

DCAMHD

High Definition Dental Camera



	D-CAM HD S 0°	D-CAM HD S 90°
Resolution, live		
HD, Format 4:3	•	•
Resolution, single image		
2560 x 1920 px	•	•
Optics		
straight optics	•	
angled optics (90°)		•
Control		
adjustable touch buttons	•	•
TAP control	•	•
Feedback		
haptic feedback	•	•
LED status display	•	•
on-screen image overlay	•	•
Connection		
USB 2.0 or higher	•	•
Operating system		
Windows	•	•
macOS	•	•
UVC standard technology	•	•
Other features		
auto standby	•	•
online update	•	•
Housing		
aluminum	•	•
wipe disinfection	•	•
length [mm]	179	182
width [mm]	24	24
height [mm]	25	25
weight [g]	128	129

DIAGNOSTICS

*Proximal caries diagnostics.
Enamel crack detection.
Composite imaging*



Caries diagnostics and composite imaging.

All with one system.

Convertible and versatile.

Thanks to the advanced handle, not only can the probes be changed in the blink of an eye, but the White Light can also be exchanged for the UV Light in seconds.



The DIA-STICK set.

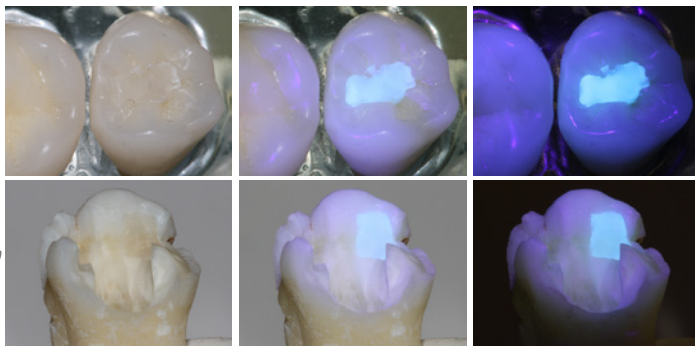
The set includes:

- Handle
- White Light
- Caries probe
- Universal probe
- LR1 batteries
- UV Light (optional)



The UV Light.

The DIA-STICK with UV light and universal probe is ideally suited for making composite residues visible (function exclusively with fluorescent composite materials).

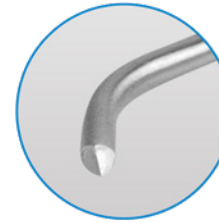


Viewing with OP lamp

OP lamp and UV light

no operating lamp with UV light

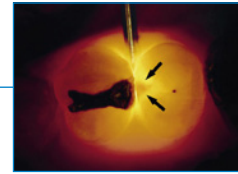
DIASTICK



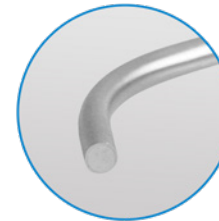
The caries probe

The caries probe with special bevel for early detection of approximal caries.

Clinical studies show that more than twice as many carious defects are detected with the help of transillumination than with mirrors and probes. And even compared to X-ray examinations, more dental caries is made visible with fiber optics, as studies by Prof. Dr. Pieper have shown.



Proximal caries

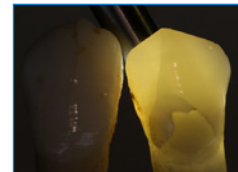


The universal probe

The universal probe for surface fluoroscopy and detection of enamel cracks and root canals.



view with operating lamp



view with universal probe

Numbers. Data. Facts.

General	
technology	LED
control	Pushbutton
adapter system	probes bluggable Lights screwed
Battery	
technology	3x LR1, changeable
runtime	approx. 100 hours
Housing (handle)	
material	Stainless steel
length	150 mm
diameter	14 mm
weight	75 g
Housing (probe)	
material	Stainless steel
length	86 mm
diameter	2,5 / 3,2 mm
weight	8 g



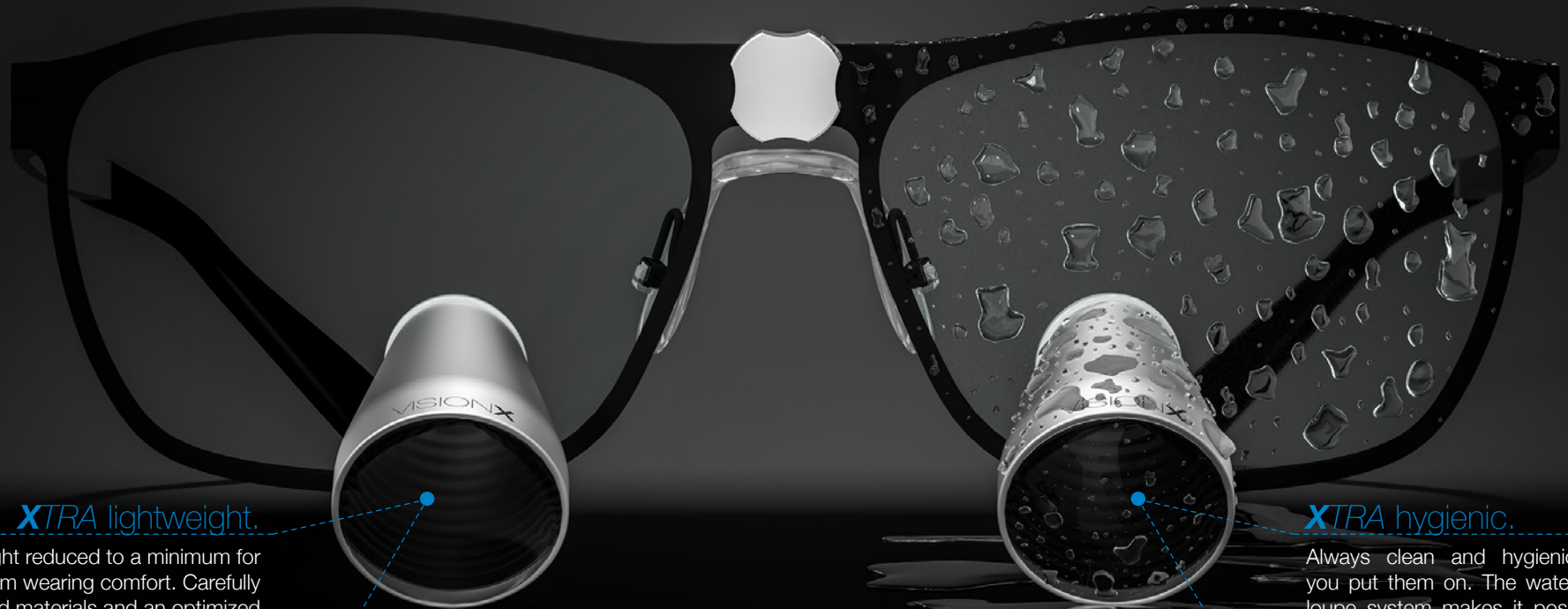


LOUPE SYSTEMS *custom*

*The details make
the difference.*

The best loupe we have ever made.

Clean on the outside. Tight on the inside.



XTRA lightweight.

Weight reduced to a minimum for maximum wearing comfort. Carefully selected materials and an optimized design mean that a pair of **VISIONX** loupes weigh a mere 22 g.

XTRA brilliant.

Vivid images that keep their true colors in a brilliance that has never been seen before. An optical system that has been recalculated from scratch combined with specially manufactured glass lenses make all this possible.

The evolution

Can the size be reduced while maintaining the field of view?
Is it possible to increase optical quality and reduce weight at the same time?
Is there a possibility of making cleaning as simple as possible?

stems from the details.

We had to address these questions and many more before we could make a thoroughly good system even better. With more than 30 years of experience and the constant drive to achieve the perfect image, we faced up to the challenge. Our answer to all the questions: **VISIONX**.

XTRA hygienic.

Always clean and hygienic every time you put them on. The watertight bonded loupe system makes it possible to wash the **VISIONX** under running water. This means that heavy soiling from blood, fat or make-up can be simply washed off prior to disinfection.

XTRA robust.

Made for day-to-day use. The combination of high-quality glass optics and a durable aluminum case provide for an exceedingly robust loupe system.

Small loupe. Large field of view.

XTRA wide.

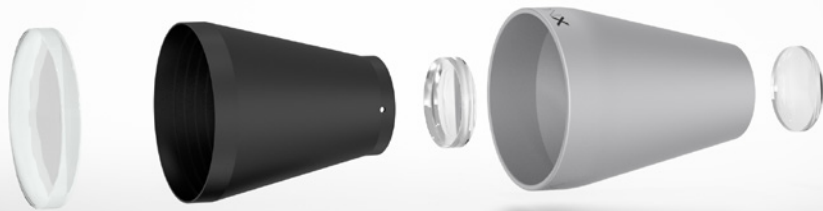
A sense that there are no limits. With a field of view of around 100 mm, the **VISIONX** shows its true qualities. Combined with a virtually rimless view, it provides a unique visual experience in comparison to conventional systems.

XTRA clear.

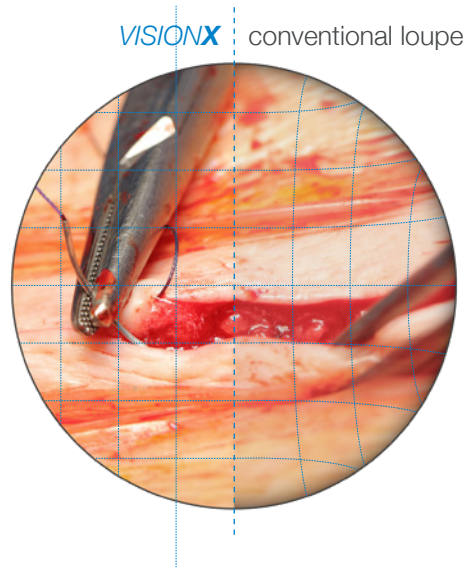
The real world across the entire field of vision. For this, you need more than to generate a constant sharpness from the center to the edges. You also need to avoid annoying distortions of all kinds. Blurred edges and distortion are two things unknown to our **VISIONX**.

XTRA thought through.

Put together from five precision parts and manufactured by hand in countless individual steps. This summarizes in a few words how the **VISIONX** is created.



But it's not that simple. We have thought about every detail and thought through every detail. The effort was worthwhile. A completely new loupe has come into being – Made in Germany.



Greater individuality for less to complain about.

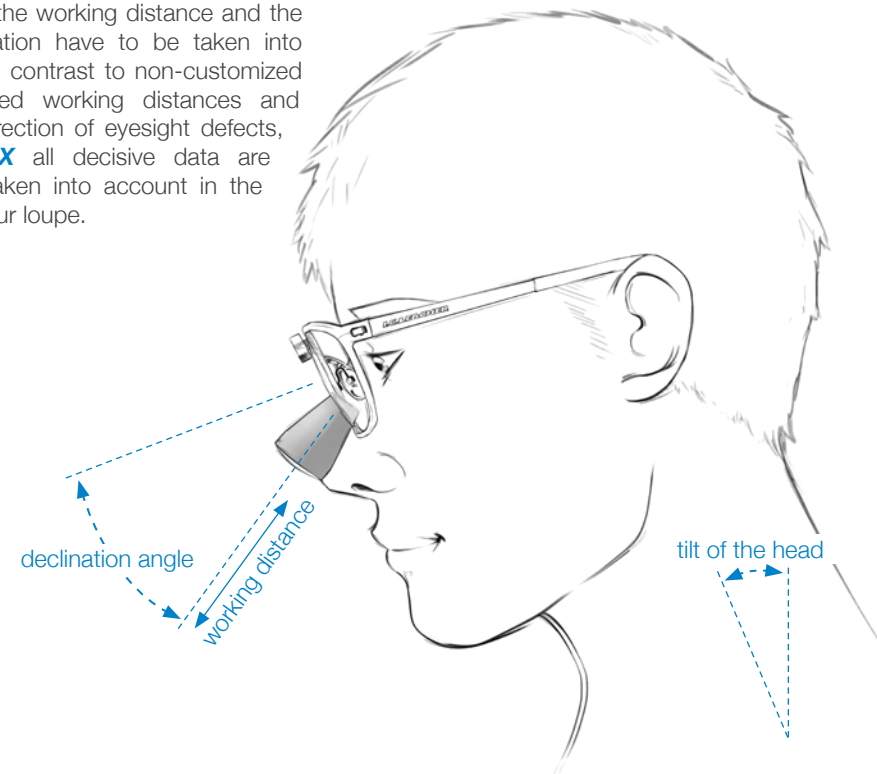
XTRA customized.

The **VISIONX** is tailored to you. The working distance, interpupillary distance and eyesight are taken into account to produce a loupe that fits exactly and meets your every need. Should anything change, we make the necessary adjustments.

XTRA ergonomic.

Pains in the neck and back caused by an awkward posture? We have tackled this problem. The details of loupes are decisive in enabling an ergonomic working position – the basis for comfortable and concentrated work over extended periods of time. In this respect, the tilt of the head, the working distance and the angle of declination have to be taken into consideration. In contrast to non-customized loupes with fixed working distances and without any correction of eyesight defects, for the **VISIONX** all decisive data are collected and taken into account in the production of your loupe.

In particular, each individual's eyesight at the working distance plays a decisive role in being able to work comfortably. If this adjustment were not made, the actual working distance would not match the optimum value as determined. The consequences would be neck and back complaints triggered by an excessive tilt of the head. Alongside customized production, the **VISIONX** enables greater declination angles thanks to its slim design. This makes it possible to reduce the tilt of the head even further. Whether standing or sitting, the **VISIONX** makes work even more ergonomic and relaxed, no matter what working distance and eyesight defects are involved.



CURVED FRAME

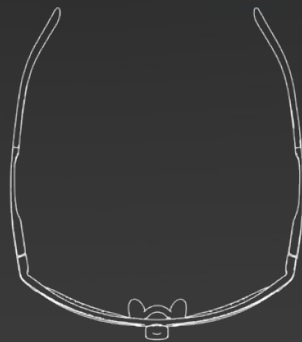
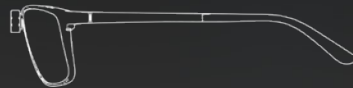
The color accent in grey everyday working life.



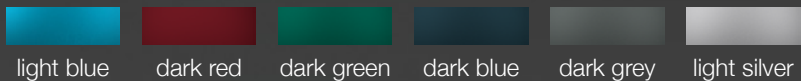
It combines the advantages of both worlds. The strong curvature provides good eye protection. In combination with a modern shape and a variety of colors, it becomes an all-rounder - dioptrre compensation in the lens included.

Numbers. Data. Facts.

General	
Material	Aluminium
Size	uniszze
Weight	25 g
Features	
Dioptrre compensation	in glas
Magnetic adaptor	•



color range



TITAN FRAME

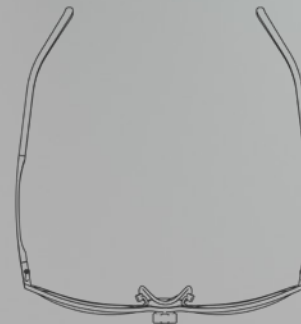
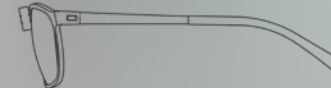
Elegant and solid.
A classic.



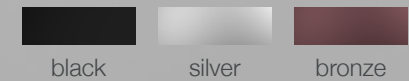
A timeless design made of titanium. In combination with elegant colors it is the solid classic among the frames. Dioptrre compensation in the lens is also possible.

Numbers. Data. Facts.

General	
Material	Titan
Size	uniszze
Weight	25 g
Features	
Dioptrre compensation	in glas
Magnetic adaptor	•



color range

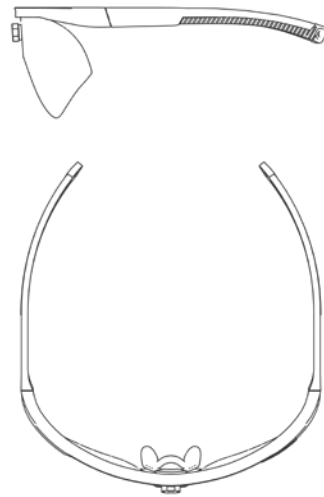


SPORTFRAME

Practical. Comfortable.
And well protected.



The sporty frame for best possible protection. Individually adjustable temples and an adjustable nose pad guarantee a perfect fit during treatment.



Numbers. Data. Facts.

General	
Material	Plastics
Size	standard, medium, slim
Weight	30 g
Features	
Dioptre compensation	RX-Clip
Magnetic adaptor	•

color range



white red



grey red



clear black

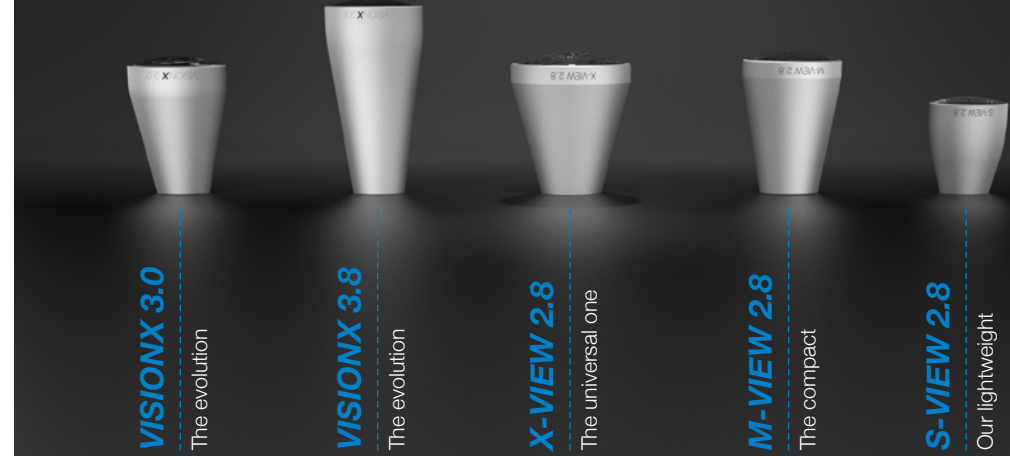


clear orange



clear lemon

Model overview



VISIONX 3.0

The evolution

VISIONX 3.8

The evolution

X-VIEW 2.8

The universal one

M-VIEW 2.8

The compact

S-VIEW 2.8

Our lightweight

Numbers. Data. Facts.

	VISIONX 3.0	VISIONX 3.8	X-VIEW 2.8	M-VIEW 2.8	S-VIEW 2.8
Optical parameters					
Magnification	3.0	3.8	2.8	2.8	2.8
Working distance [mm]	individually	individually	individually	individually	individually
Field of view [mm]	100	45	110	90	80
Depth of field [mm]	180	70	200	170	140
Dioptre compensation	•	•	•	•	•
Housing					
Aluminium	•	•	•	•	•
Glas lenses	•	•	•	•	•
Waterproof	•	•	•	•	•
Weight per pair [g]	22	26	38	28	15
Ocular color					
silver	•	•	•	•	•
COLOR-LINE	•	•			
Frame combinations					
CURVED-FRAME	•	•	•	•	•
TITAN-FRAME	•	•	•	•	•
SPORT-FRAME	•	•	•	•	•

COLOR-LINE

*See perfect.
Look perfect.*



Multiple combinations. Unique style.

Decades ago, loupes were black or silver. That's a thing of the past!

COLOR-LINE offers a color range of seven shades that make the loupes and lighting system shine not just in classic silver and black but also in elegant dark gray, a subtle blue, and the three flashy shades of light blue, red, and orange.

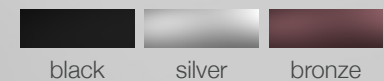
Combined with the colors of the frame series TITAN-FRAME and CURVED-FRAME, there are many variations to suit individual tastes and unique styles.

The color range of COLOR-LINE is available for all models of the VISIONX series and the LED-LIGHT CIRCLE lighting systems and can be combined any way you like.

COLOR-LINE color range



TITAN-FRAME color range



**Never boring.
Never any compromises.**

Whether classic, elegant, subtle, or flashy – there are no compromises in quality or durability.

COLOR-LINE is based on a high-quality and robust aluminum housing.

CURVED-FRAME color range





LIGHTING SYSTEMS

*Bring light into
the dark.*

More light. For more details.

Compact, lightweight and ultra-bright.

The **LED-LIGHT CIRCLE** has been specially developed for medical use. It produces an extremely bright light that provides uniform, shadow-free illumination.

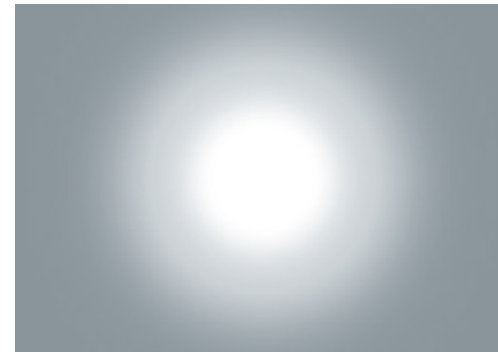
Thanks to its glass lens system, the **LED-LIGHT CIRCLE** guarantees a perfectly illuminated, sharp-edged,

true-color field of vision without dazzling the patient. The axial connection to the loupe provides a direct link to the field of vision, ensuring that the treatment area is perfectly illuminated in every situation. Even when working in difficult-to-access areas, the **LED-LIGHT CIRCLE** ensures you are never in the dark.

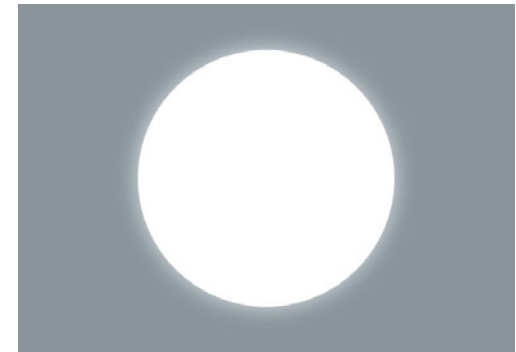
LEDLIGHTCIRCLE

The integrated LED technology combined with the lithium-ion battery (supplied) means it can be used without distracting waveguides. This protects your neck and helps you to work in a more ergonomic way.

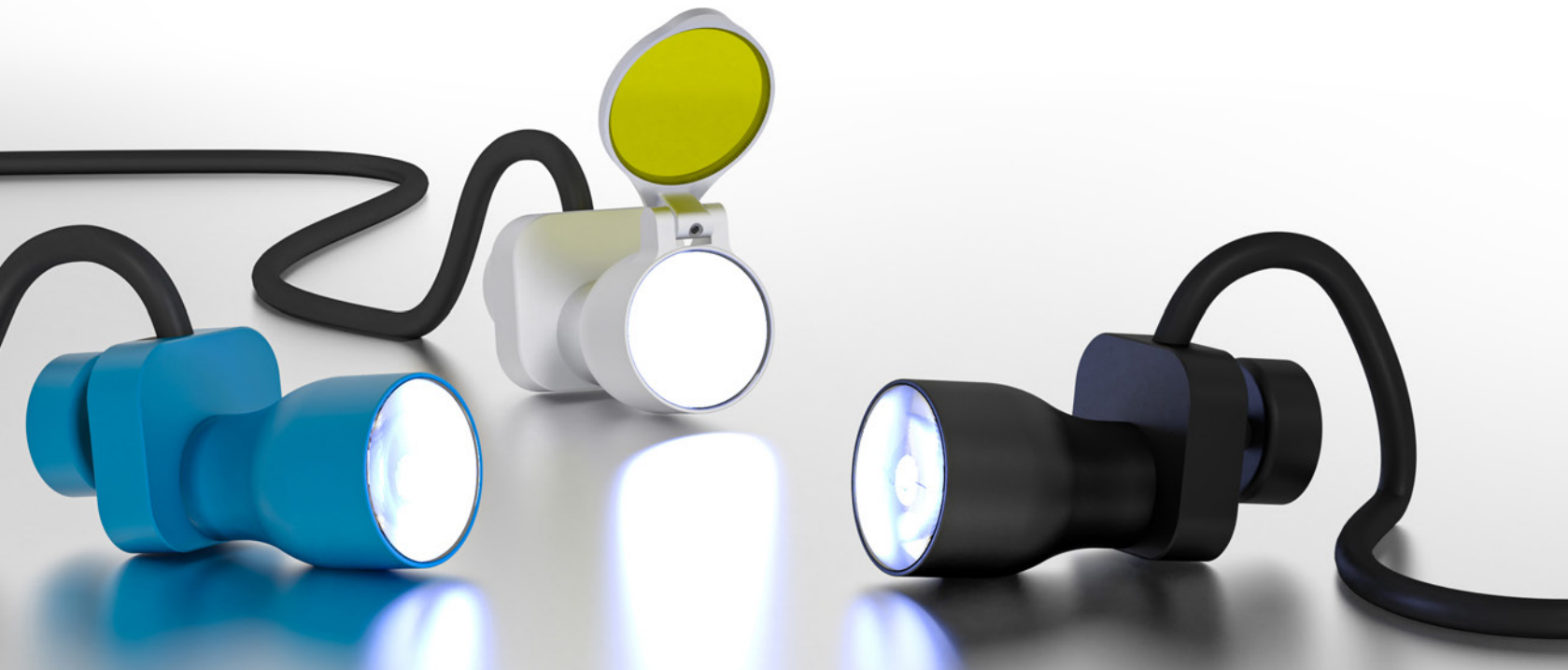
And at just 12 grams, the lightweight **LED-LIGHT CIRCLE** is ideal for all kinds of applications, including the operating theatre and treatment room – and even mobile use.



conventional LED-system



LED-LIGHT CIRCLE



Numbers. Data. Facts

General	
Technology	LED
Brightness levels	20.000 / 30.000 / 60.000 LUX
Color temperature	5700 K (daylight)
Adaptor system	magnetic (available for all types of surgical loupes)
Battery	
Technology	Li-ion, rechargeable
Battery life	7 hours at 60.000 LUX
Housing	
Material	Aluminium
Lens system	Glas
Colors	COLOR-LINE
Weight	12 g
Width	20 mm
Height	21 mm
Depth	40 mm



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