



Chroma Zona

Enhancing Endoscopy with Ergonomic Lighting

at Gävle hospital

Enhancing Endoscopy Examinations with Ergonomic Lighting

At Gävle County Hospital, they have five endoscopy rooms and one ERCP room equipped with Chromaviso Ergonomic Lighting. This innovative solution was implemented in 2016 and has been tailored to suit the different room designs, the staff's work routines, and the various examinations conducted.

We use Ergonomic Lighting every day, for the majority of examinations and procedures. We are extremely satisfied with it, explains endoscopist Jennie Sjöström. Over the past few years, the department has experienced a significant increase in the number of treatments, now reaching over 5,000 examinations and procedures annually. This emphasizes the high priority placed on the workplace environment.

"I feel much more energized in the afternoon. There's a significant difference between our old, regular lighting and Ergonomic Lighting", shared Christina Strömberg, a healthcare assistant.

Improved screen image

During endoscopy examinations, the screen image is crucial, and hours spent in front of a screen can strain both the eyes and the head. This is where Ergonomic Lighting plays a vital role, as the evidence-based green colour helps relax the eyes. Additionally, Chromaviso's light calibration optimally enhances the contrasts on the screen.

"With the coloured light settings of Ergonomic Lighting, there are no reflections on the screens. The screen image is improved, providing increased safety during procedures"

Skopist Jennie Sjöström

Lighting Zones

Ergonomic Lighting divides the room into multiple lighting zones that support the workflow before, during, and after procedures. In addition to the coloured green and red lighting zones, there is a white zone for tasks such as anaesthesia and other responsibilities.

"We use Ergonomic Lighting, for example, during medication dosing, preparation, and registration – the zone division is important here. It is easy to adjust the lighting, explains healthcare assistant Christina Strömberg."



Ergonomic Lighting in Scandinavia

Chromaviso introduced the concept in 2006, and today, more than 100 hospitals across Scandinavia have implemented Ergonomic Lighting for procedures such as endoscopy, laparoscopic surgery, and medical imaging. This evidence-based solution has garnered a 97% user satisfaction rate and has been proven to reduce fatigue and improve the working environment. With top-quality products that offer high efficiency and reliability, Chromaviso's Ergonomic Lighting has become the go-to choice for healthcare facilities.

The technical delivery

Ergonomic Lighting is a turnkey concept where Chromaviso takes care of the entire process, including design, technical delivery, and user training.

"The implementation process has remained on track for all stages, despite challenging circumstances at times. From my perspective, Chromaviso demonstrates a high level of expertise and knowledge, making them a trustworthy and competent provider, explains Per Eriksson, Project Manager in the electrical installation company Assemblin"

Zone



Chroma Zona Ergonomic Lighting divides the room into multiple light zones tailored to the different work routines in each zone. For example, green light behind the screen, white light at the anesthesia and computer station. This way, all professional groups get the right light at the same time.



My impression is that there is expertise and proficiency at Chromaviso; therefore, I would not hesitate to recommend them as a serious and knowledgeable supplier.

Per Eriksson,
Project manager

The unique combination of red and green light

Chroma Zona Ergonomic Lighting consists of the effective combination of red and green light, which are complementary colors and, therefore, together create a pleasant and balanced lighting environment in the room.

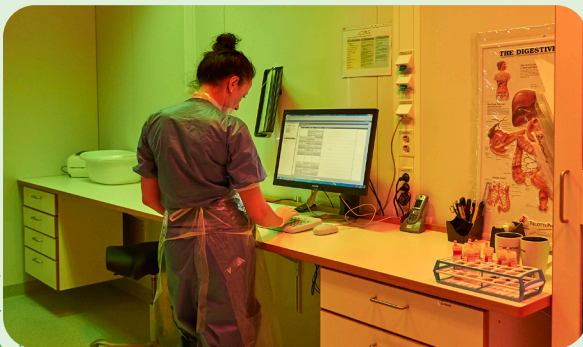
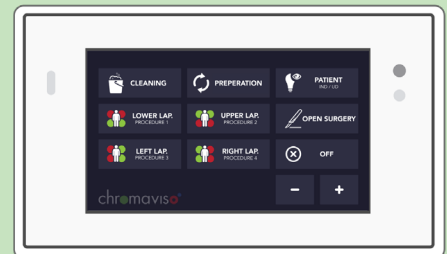
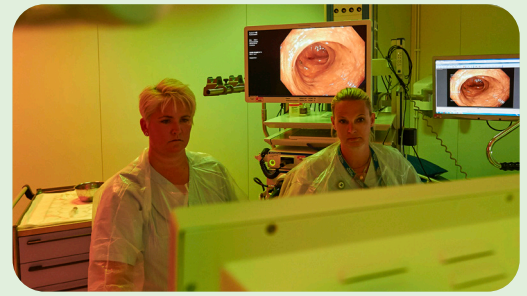
The green light behind the screen enhances contrasts and details on the screen during examinations, while the red color highlights grayscale images during X-rays.



The light settings

The lighting is controlled through a control panel with six pre-programmed light settings. The 'cleaning' setting and 'patient in/out' are the two settings intended for before and after treatment, and there are four light settings intended for during the treatment, which are selected depending on the examination and the placement of the screens.

The light settings have been developed in collaboration with the staff and are based on Chromaviso's many years of experience. The different light settings make it possible to choose the exact setting that suits the examination.



“We use Chroma Zona Ergonomic Lighting, for example, during medication dosing, preparation, and registration – here, the zone division is important. It is easy to change the light”

Christina Strömberg, Healthcare Assistant

About Chromaviso

Chromaviso is changing the standards of lighting to improve health, treatment quality, care, work environment, and efficiency within the healthcare sector. Through technological innovation and close collaboration with healthcare professionals, we create and apply integrated and highly preferred lighting solutions with proven effectiveness.

Learn more at

www.chromaviso.com, [LinkedIn/Chromaviso](https://www.linkedin.com/company/chromaviso), [Youtube/Chromaviso](https://www.youtube.com/channel/UCqK0p0k0k0k0k0k0k0k0k0k) or [X/Chromaviso](https://twitter.com/Chromaviso).