



Chroma Zona

Evidence-based Ergonomic Lighting

Intervention Center at
Skaraborg Hospital, Skövde

Ergonomic Lighting at the Intervention Center, Skaraborg Hospital

At the Intervention Center at Skaraborg Hospital in Skövde, Chroma Zona Ergonomic Lighting is used to create a good working environment. Some of the results include improved screen visibility, better image quality, and clearer contrasts.

Skaraborg Hospital in Skövde expanded in 2012 with a new Intervention Center. As part of the construction process, it was decided to install Chroma Zona Ergonomic Lighting, developed after extensive dialogue with doctors and nurses throughout Scandinavia.

“I have better contact with the screen. I see the images better in Ergonomic Lighting, especially in terms of contrasts.”

Cardiology specialist Jason Stewart.

“It is a very pleasant light. We have surgeries and interventions approximately 12 hours a day, and therefore, lighting is crucial for us. Chroma Zona Ergonomic Lighting has made a big difference. We are not as tired anymore,” says radiology nurse Gunilla Björck.

Seeing the image better

The lighting solution is designed to promote a good working environment, quality, and safety. At Skaraborg Hospital, the lighting concept has yielded positive results.

Better contrasts, especially, are one of the advantages of using green light behind the screen and complementary red light behind the intervening staff for X-ray images. Colored light reduces reflections on the screens.

Zone-divided colored light

During surgery or intervention, the room is divided into colored light zones tailored to different work functions. For preparation and cleaning, a powerful white light simulating daylight is used, supporting the body's circadian rhythm and promoting health.

When the patient arrives in the room, a calming, warm patient light is turned on.

“It is a flexible light for both before, during, and after the procedure. We have different settings depending on the procedure we are conducting and where the screens are located. This means that we always have the light that suits the intervention we are performing. And when our needs change, we have the option to adjust the light,” explains Gunilla Björck. She also mentions that the light works well in terms of finding the right medication and the right equipment.

Red and green light

Chroma Zona Ergonomic Lighting consists of the effective combination of complementary colors, red and green light, developed by Chromaviso. Green light behind the screen provides better contrasts/contours on the screen and reduces eye strain, while the red light minimizes glare and reflections on the screen, creating a balanced working environment and optimal lighting for the rest of the staff in the room. In addition, anesthesia has a white spot to optimize the view of the patient. With this combination, the work environment is improved, and the quality and patient safety are increased.

In addition to the operating and intervention rooms, the department has installed Chroma Zona Ergonomic Lighting in four maneuver rooms for medical imaging. Here, red light is used behind the screen, and green light is used behind the personnel at the intervention table.

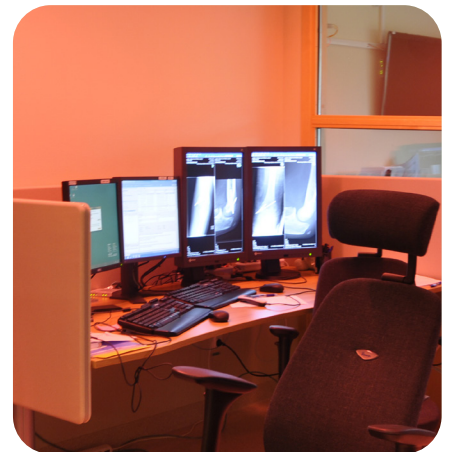
Simple operation - optimal light is just a push on a button

The controls are specially designed to ensure that it is easy for the staff to change light settings. In the operating rooms, the staff can choose from a range of basic settings. All settings are selected based on the department's needs, workflows, and Chromaviso's documented user behavior from similar installations. This ensures high usability and satisfaction among the staff.

“The controls work very well. It is easy to switch, and we use it several times a day. Overall, we have been very satisfied with the solution and with the collaboration with Chromaviso,” explains Gunilla Björck.



“It is a very pleasant light. We have surgeries and interventions approximately 12 hours daily, and therefore, lighting is crucial for us.”



Chroma Zona Advantages

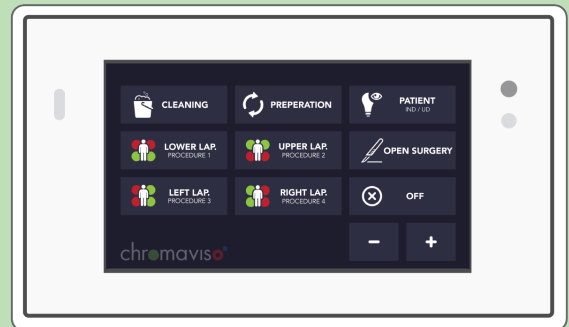
- Documented effectiveness in minimizing reflections and glare on screens and optimizing screen quality
- Reduces eye strain and tension
- Less fatigue and increased concentration.
- Zone-divided light creates the right lighting for everyone simultaneously

Light settings

The light is tailored to the users' needs and workflows before, during, and after the procedure. It is operated through Chromaviso's specially designed control interface, ensuring that optimal lighting is always just a push on a button.

Skaraborg Hospital has the following light settings:

- Cleaning -a powerful white light
- Patient in/out -a warm reception
- X-ray left or right VIOLET
- X-ray bilateral GREEN or RED
- Open surgery



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](#), [Youtube/Chromaviso](#) or [X/Chromaviso](#).