



Chroma Zona

Evidence-based Ergonomic Lighting

at the University Animal Hospital, Uppsala

Ergonomic lighting at the University animal hospital, Uppsala

The University Animal Hospital in Uppsala has one of Europe's largest veterinary diagnostic imaging clinics. Here, both small and large animals are diagnosed and treated. In 2014, they switched to Ergonomic Lighting to improve the working environment – and the results are positive.

Horses, dogs, cats, and cows are just a few of the animals examined daily, including ultrasound, at the University Animal Hospital in Uppsala. The University Hospital boasts one of Europe's largest diagnostic imaging clinics, catering to a variety of animals with many different diseases. The facility is state-of-the-art and collaborates with researchers, students, animal caretakers, and veterinarians from around the world for the latest knowledge.

“The lighting in our rooms is very flexible and can be adjusted depending on where we place the screen. With the large animals, we often move the ultrasound equipment around, and here, the light follows. It works well”

Leader of the clinic Margareta Uhlhorn

In 2014, the University Animal Hospital relocated to new premises, and as part of the new construction, occupational health became a crucial priority. Therefore, Chief Veterinarian and Clinic Leader, Margareta Uhlhorn, chose to install Ergonomic Lighting from Chromaviso.

“We have some difficulties with the working environment here. Staff is tired due to darkness – especially in winter. Good lighting is essential for a really good screen image. Previously, we worked in darkness, but then we heard about Ergonomic Lighting. Today, we get more light during our working day and a good screen image,” explains Margareta Uhlhorn.

Large animals require flexibility

Large animals require flexibility. The University Animal Hospital has a large room for ultrasound examinations of large animals such as horses, two regular rooms for scanning smaller animals, and a large review room with eight review stations where staff examine images and write reports.

Red and green light

The lighting is tailored for ultrasound scanning, and the staff can choose from several light settings to ensure the right lighting before, during, and after examinations. When the animal enters the room, the staff often selects a bright white light. When the scan begins, red light behind the screen is chosen, combined with green light in the rest of the room. The red color sharpens the grayscale colors in the ultrasound image, while the combination with green light provides a pleasant working environment, reducing glare and reflections. After the treatment, the light can easily be changed to a powerful cleaning light that simulates daylight and provides an energy boost.

But what do the animals think of the colored light?

“The animals are awake during the scans and have not reacted to the colored light. Horses can become restless if it's too dark, so it's an advantage that the space has become brighter. Perhaps the horses can sense how the staff is feeling, and we have improved,” says Margareta Uhlhorn.

Less fatigue

On a typical workday, most of the staff spends up to eight hours in rooms that used to be dark but now have Chroma Zona Ergonomic Lighting.

In the review room with eight workstations, the red light is used to optimize image quality while providing the staff with the light they need to thrive.

“Employees have more energy, and we are less tired. Chroma Zona Ergonomic Lighting has meant a lot to our working environment,” explains Margareta Uhlhorn.

To ensure that the lighting was optimal at the University Animal Hospital, Chromaviso and Medirum have adjusted the lighting after installation and provided both technical and clinical staff with instructions on using the light and explained the importance of light for staff's work and well-being.



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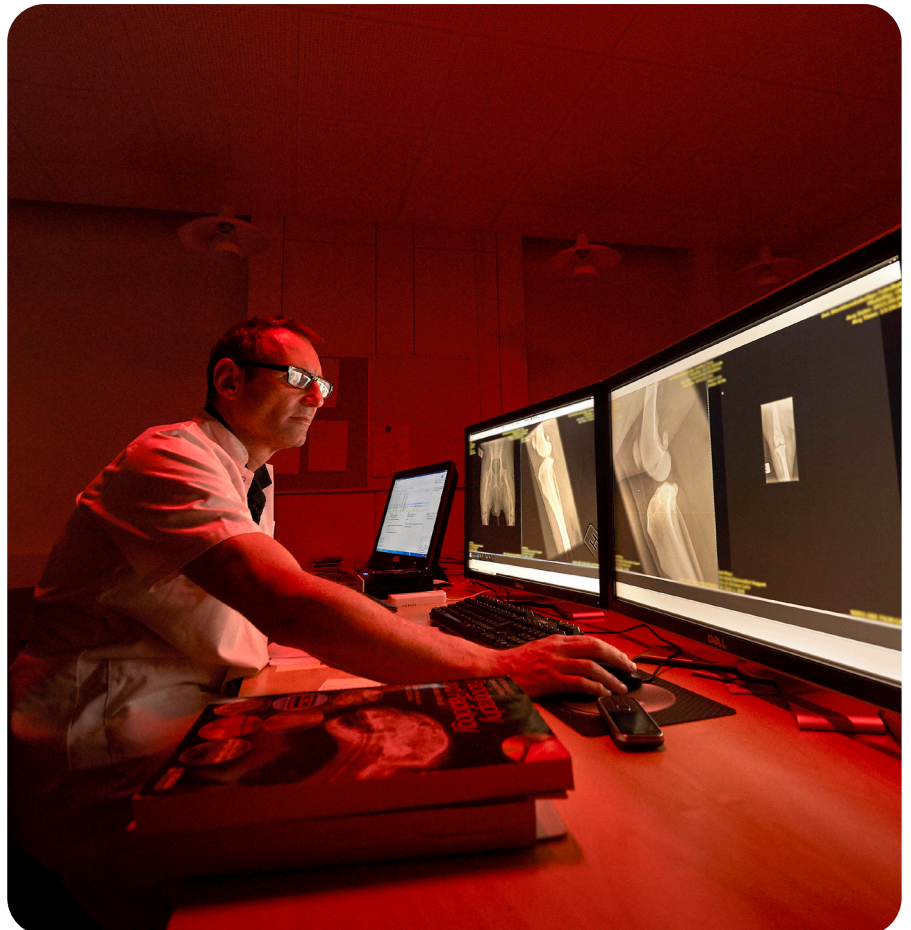
Leader of the clinic Margareta Uhlhorn



Promoting work environment and quality



Proven effect in minimizing reflections and glare on screens and optimizing screen quality



Lighting setting

The lighting is tailored to the users' needs in each room and includes customized lighting settings for specific zones and routines before, during, and after the treatment procedure.

The light is operated through Chromaviso's specially designed control panel, meaning that the right light is just a push on a button.

A selection of lighting settings at the University Animal Hospital:

- White light for cleaning/daylight
- Warm white light
- Red-green
- Green-red

Additionally, the light can be dimmed and turned up.



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

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