



Case study

Greifswald Radiology Unit

Location
Philips Lighting

Rostock, Germany
Luminous Textile, DayZone



PHILIPS



“Thanks to the innovative lighting solutions supplied by Philips, we have now been able to reduce perceived waiting time and, despite being a medical facility, produce a pleasant ambience.”

Dr Lothar Sommer, Specialist Radiologist, Greifswald Radiology Unit



Medical examination in a soothing environment



Project info

Customer

Greifswald Radiology Unit, Dr Lothar Sommer, Dr Holger Resch

Location

Rostock, Germany

PM, lighting consultants

Philips Lighting, Armin Mross, Michael Janert

Practice lighting

Greifswald Radiology Unit, Rostock

Philips products

Luminous Textile, Dynalite (Touchscreen Panel), DayZone, DayWave, LuxSpace Compact, LuxSpace Mini, Savio

Results

- Comfortable atmosphere for patients, doctors and nurses
- Modern lighting management with individual dimming, light control and presence detection
- Innovative lighting solutions based on LED technology

Background

The Greifswald Radiology Unit in Mecklenburg-Vorpommern is a transregional community practice specialising in MRI of joints and neuroradiology. Led by specialist doctors Lothar Sommer and Holger Resch, the practice has made a name for itself as a provider of first-rate medical services in a professional and calming atmosphere.

The challenge

Thanks to the successful work of both specialist doctors, the practice wanted to open a second site. Practice rooms were sought and found in Rostock, spread across two floors of a former polyclinic. The premises required a complete overhaul and considerable modernisation, particularly in regard to its medical equipment and lighting. In terms of the lighting, the focus lay on sourcing a turnkey solution. The complete process right up to commissioning needed to be provided by just one company. At the same time, the challenge lay in creating a relaxing atmosphere with efficient lighting solutions. The well-being of the (predominantly cancer) patients and the employees held high priority.

The solution

From the special requirements for the installation, an integrated solution was developed, bringing together medical and lighting solutions. The lighting had to form an integral component in patient interaction, while being as energy-efficient as possible. What emerged was a concept

that satisfied the highest demands, both functionally and aesthetically. Innovative DayZone LED recessed and DayWave LED pendulum luminaires provide high visual comfort and a fresh design. These are supplemented by 'Large Luminous Surfaces', an integrated system made of sound-absorbent textile panels with concealed LEDs. The dynamic lighting panel provides a distinctive room atmosphere which reduces perceived waiting time. In the diagnosis rooms, i.e. in those areas where anxieties and fears are likely to surface, the lighting solutions were integrated with various light colours. Modern lighting controls ensure flexibility and high energy efficiency and include presence sensors in the treatment rooms. The background lighting control used ensures smooth interaction between all components.

Benefits

Since May 2012, the radiology practice in Rostock has basked in a new light. Bright, friendly rooms welcome patients and provide a pleasant atmosphere. All of the lights can be controlled individually and the ambience can be adjusted to suit a range of situations. The high number of LED lights provide basic energy savings of up to 80% compared with conventional solutions. Together with the low maintenance requirements and high lifetime of LED (up to 50,000 hours), the outcome is a sustainable lighting concept. This concept was implemented by just one agency from lighting design to project management and commissioning and has given the modern medical practice a ground-breaking character.



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