



Case study

Altona Children's Hospital

Location
Philips Lighting

Hamburg, Germany
DayZone, LuxSpace



PHILIPS



“A colorful and calming environment really makes all the difference for critically ill children and young people as it helps to alleviate anxiety. This is our reason for avoiding a typical hospital atmosphere. The lighting solution Philips provided helps to create a positive ambience with light and welcoming rooms.”

Sven Höpfner, Assistant Managing Director, Altona Children's Hospital (AKK), Hamburg



Friendly LED lighting helps you forget that you're in a hospital



Project info

Customer

Altona Children's Hospital

Location

Hamburg, Germany

Light planning/design

Sabine Mai, Mailight; Marc Ewers, euroterra

Philips products

DayZone, TurnRound, LuxSpace, SpotLED 3, iW Cove Powercore, iColor Cove Powercore, Smartform, Celino, Pacific, Savio with Personal Light

Philips lighting consultant

Juliane Lokat

Results

- Energy efficient high-quality lighting solution
- Emotionally attractive ambience
- Low maintenance costs

Background

Altona Children's Hospital (AKK) is one of the largest clinics specializing in pediatric care in Germany, and its specialist departments are renowned across the country. Since April 2011, the hospital has benefitted from a unique facility for children and young people known as the 'Lufthafen' (airport). The 'Lufthafen' provides comprehensive treatment for inpatients and outpatients, as well as both short-term and long-term care, and therefore represents a unique facility in northern Germany.

The challenge

To make the young patients' stay as pleasant as possible, we needed to create a tranquil and relaxing ambience. The 'Lufthafen' lighting had to meet the day-to-day hospital requirements without the appearance of a typical hospital. This had to be done on a tight budget as this facility is financed primarily with donations and grants. Philips was invited to take up this challenge and help the hospital with an efficient and sustainable lighting solution.

The solution

The various areas of the hospital required individual and optimum lighting. All 12 children and patient rooms, parent rooms, residential rooms, and the reception were fitted with a total of 128 DayZone LED luminaires. The LED solution creates a pleasant, dazzle-free light with a unique corona light effect on the ceiling. In the bathrooms, energy-efficient

LuxSpace down lights were chosen for their consistent and sustainable illumination. Background lighting in the hallways and dining areas has been supplemented with iW Cove Powercore, which allows individual adjustments to its color temperature and light intensity. In the snooze room on the residential ward, iColor Cove Powercore provides colored cove lighting, so that the ambience can be configured in a variety of ways. The external façade is highlighted at night with LED lighting and recessed spotlights.

Benefits

This contemporary LED lighting solution and the colored furniture and walls lend the 'Lufthafen' a friendly and hospitable appearance. And this is very important, considering who will be staying in the rooms, explains Swen Höpfner, Assistant Managing Director, Altona Children's Hospital. "A colorful and calming environment really makes all the difference for critically ill children and young people as it helps to alleviate anxiety." He says, "This is our reason for avoiding a typical hospital atmosphere. The lighting solution Philips provided helps to create a positive ambience with light and welcoming rooms." Thanks to the excellent quality of light, the good color rendering, the dazzle-free and visual comfort, this lighting meets all the medical requirements. As LED has been employed, the lighting is above all sustainable and relatively inexpensive, due to its long life-span and low maintenance costs.



©2013 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.

Date of release: June 2013

Printed in the Netherlands

Document order number: ALTONA HOSP CASE STUDY INT