Case study
Altona Children’s Hospital

Location
Philips Lighting
Hamburg, Germany
DayZone, LuxSpace
“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.”

Swen Höpfner, Assistant Managing Director, Altona Children’s Hospital (AKK), Hamburg
Friendly LED lighting helps you forget that you’re in a hospital

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 benefited 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.

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