



Case study

Elderly Care Home

Location
Philips Lighting

Solingen, Germany
Savio, Dynalite controls

PHILIPS



“A lot has changed in the care industry as a result of modern technology. A positive example is the dynamic lighting system provided by Philips. It helps our residents – particularly those suffering from dementia – to go about their daily routines.

Ralf Paschold, Care Home Manager, SV Group



A holistic lighting concept that really makes a difference



Project info:

Customer

“Am Kirschbaumer Hof” Residential and Care Home

Location

Solingen, Germany

Lighting solutions

Dynalite, Savio, Rotaris, LuxSpace, LuxSpace Accent

Result

- Modern lighting concept simulating the natural progression of daylight
- Pleasant atmosphere for residents and staff
- Positive biological effect

Background

The “Am Kirschbaumer Hof” care home lies in the centre of the city of Solingen. It prides itself on caring for its residents with a human touch and fostering individual personalities. The modern building consists of two wings - 35 sheltered flats and apartments, an 81 bed residential care centre with cafeteria, reception and common rooms.

The challenge

The positive effect of light on mood, behaviour and the sleep-wake rhythm has been established by numerous studies. The aim was to reproduce the familiar rhythm of day and night - which frequently becomes confused by people suffering from dementia – through the new lighting. In addition to this, a calm ambience was needed to provide a sense of well-being and safety among residents and staff. For efficiency, the entire process - planning, implementation and commissioning - needed to be provided by one supplier.

The solution

The residential and care centre in Solingen opted for dynamic light in all of its care-related areas; the first care complex in Germany to do so. The choice of this innovative, modern lighting represented a cornerstone of the care concept during the planning of the new residential care centre, which opened in April 2013. Philips was assigned the entire task and delivered a turnkey solution.

The core elements of the Dynamic lighting system are the Dynalite controls system teamed with Savio luminaires. These enable a natural daylight pattern to be produced through changes in the lighting strength (brightness) and adjustable colour temperatures from a warm white to a bluer ‘daylight’ white. This was installed across three floors - in patient rooms, corridors and general areas. Particular attention was given to corridors in the dementia section. Here, in accordance with scientific recommendations for dementia, Savio luminaires were installed in groups of four and programmed to deliver significantly higher levels of light; to support the body’s circadian rhythm (body clock).

Benefits

The use of Dynamic lighting is an excellent basis for improving the quality of life of the residents. It produces a pleasant atmosphere, which helps people feel good and promotes social participation. The high lighting level provides the residents with better visibility, and gives more freedom of movement and security. To this end, the light has a stimulating effect. It supports the sleep-wake rhythm.

Care home manager Ralf Paschold is full of enthusiasm: “It is a great gift to be able to make a perceptible improvement to the well-being of our residents through light. Moreover, the simulated daylight pattern also has a positive impact on our staff.”



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