



to mind. The colour associations of these positive images have been employed in the design of the lighting. The “Ireland” corridor, for example, glows with rich green tones, whereas “Tuscany” features warm reds and earthy colours. The Rotaris lights also make a positive contribution through the concentric circles that characterise their design. To draw attention to the artworks on the walls, a third of the lights are equipped with adjustable Fugato downlights.

The office lighting for employees has also been modernised. The minimalist design and optimum light distribution of the Arano lights brighten up the working day in the office.

### Benefits

The well-being of the patients was at the forefront during the design stage and the Philips lighting solution fits the bill perfectly. The corridors throughout the clinic exude a warm and pleasant atmosphere, far

removed from the sterility of traditional hospitals – something that strikes you as soon as you enter the department. Recent research indicates that patients who are allowed to play an active role in the design of their environment feel much more comfortable and secure. In Oberhausen, they can now adapt their individual spaces according to their own ideas and moods. The lighting options also have major benefits for the therapy. Cold white light tends to have an invigorating effect on people and improves attention levels, whereas a warm white light is more calming. “Personal Light” allows every therapist to adapt the rooms to their requirements.

# Case Study Psychiatry

Location  
Philips Lighting

Oberhausen, Germany  
Savio with „Personal Light“, Rotaris, Fugato, Arano



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# PHILIPS



“We have achieved our objective of creating for our patients and therapists a pleasant atmosphere with that personal touch. The effect light has on people should not be underestimated, which is why I'm convinced that using lighting in the right way can have a beneficial therapeutic effect.”

Manfred Rönfeldt, Technical Director, Psychiatrie Oberhausen

# Individuality and a positive atmosphere



## Fast facts:

### Client & project

Klinik für Psychiatrie, Psychotherapie und Psychosomatik, Oberhausen, Germany

### Project team

Psychiatrie Oberhausen, Manfred Rönfeldt (project management and concept); woernerundpartner architektingbr, Petra Sachse and Petra Wörner (architects); K sys Krankenhaus Systemtechnik, Martin Sonis (installation); Philips Lighting, Ralf Nowack (lighting consultant); Philips Lighting, Matthias Fassian (light designer)

### Products

Savio with “Personal Light”, Rotaris, Fugato, Arano

### Results

- Therapeutic support through lighting
- A more personal touch in consulting rooms by “Personal Light”
- Light & colour concept for a pleasing atmosphere in the corridors

## Background

The Psychiatry, Psychotherapy and Psychosomatics Clinic was opened as a department within the Johanniter-Klinikum Niedererrhein (Knight of St. John of Jerusalem Hospital, Lower Rhine) in Oberhausen in 1978. The clinic has always moved with the times and now offers a vast number of the most modern forms of psychiatric treatment: medicinal treatments, ergo-therapy and music therapy and special psychotherapeutic processes. A great deal of store is set on close collaboration with other institutions.

## The Challenge

A newly erected building has enabled the psychiatric department in Oberhausen to extend its facilities by 160 patient rooms plus the associated treatment and consulting rooms and administrative offices. The objective was to create a special atmosphere. The clinic wanted to banish the image of scary and uninviting psychiatric hospitals and replace it with a modern atmosphere in which patients could be certain from day one that they were in good hands and would be well looked after. Patients should feel at home in the clinic and have the freedom to arrange their day rooms as they wish. Therapists should also be able to easily adjust the light in the treatment and consulting rooms according to their requirements and objectives as a way of assisting the therapy.

## The Solution

The directors of the clinic opted for a comprehensive lighting solution from Philips to light each part of the new building in the best possible and coordinated way. The “Personal Light” concept was chosen for the patient, treatment and consulting rooms. This enables patients and staff to adjust the lighting to suit their requirements and to achieve the desired atmosphere. The intensity and colour of the light can each be adjusted separately.

Light colours of between 2700 Kelvin (warm white) and 6500 Kelvin (daylight white) can be selected. These values correspond to the natural light encountered in the course of the day and enable the melatonin and cortisol levels to be selectively adjusted to produce either a calming or an invigorating response. “Personal Light” is best implemented using the Savio product family. The clinic went for the ultra low-profile recessed lights that can be installed inconspicuously in the ceiling. Their patented OLC microlens optics produces a homogeneous and non-glare beam of light.

An unusual light and colour concept was implemented in the corridors: whenever someone mentions the name of an area of Europe, such as Provence, East Anglia or Tuscany, an image of that area always springs