



# Case study

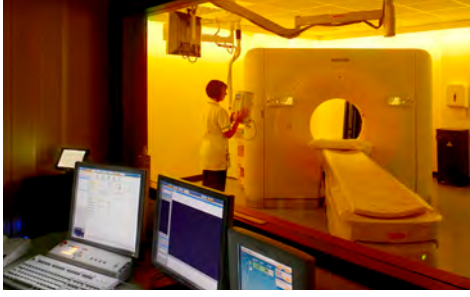
## Princess Alexandra Hospital

Location  
Philips Lighting

Harlow, UK  
Ambiscene Concept

**PHILIPS**





By applying this unique lighting concept within the CT scanner room, patients overcome their fears, stress levels reduce and they become much more relaxed when undergoing their medical examination.





# Princess Alexandra Hospital improves patient experience with Philips Ambiscene Lighting System



## Fast Facts

### Client

Princess Alexandra Hospital

### Project

CT Scanner Room

### Location

Harlow, UK

### Lighting Solution

Ambiscene

### Lighting design

Philips LiDAC

### Project led by

Peter J Nelson - Philips

## Background

Philips installed its Ambiscene lighting concept in The Princess Alexandra Hospital's CT scanner room. Commissioned at the same time as the state of the art CT scanner, the hospital is one of the first in the country to offer patients an innovative X ray experience! Committed to its mission of delivering the best possible care to a local community of 258,000 residents, the hospital trust was keen to learn how this technological innovation could benefit its patients.

## The Solution

Suzanne Browne, Superintendent Radiographer explains, "Experience shows that medical procedures such as CT or MRI scans can make some patients, and particularly children, feel quite anxious. The coloured lighting effects in the room help create a more comforting atmosphere for patients. We have found that it helps reduce their anxiety levels. It also softens this typically sterile environment making it a far more pleasant environment for our Radiographers to work in as well!"

Since patients lie more calmly during the procedure, the scans are more likely to succeed, meaning a lower failure rate. This has proven to be the case at Princess Alexandra. As Suzanne Browne continues, "Since using the new scanner with the dynamic lighting effects we have been able to increase the number of successful scans from 25 to about 38 per day."

## Benefits

The Ambiscene lighting system enables creation of dynamic spaces with lighting and combines the experiences of Philips Medical and Philips Lighting. The lighting can change almost endlessly – in colour, intensity or tone. Its simple control system makes it very easy for the clinicians and radiographers to alter the colour palette specifically to the needs of the situation or on patient request. Whilst the LED cove lighting has been positioned around the perimeter of the ceiling in the examination room, the lighting can be controlled by a touch pad facility located in the observation room next door. Thus, variable coloured light can be created to relax the patients during their examinations. It can also help to communicate with the patient by using a specific colour to give a signal (eg for patient's to hold their breath).

Every colour has specific properties which can evoke emotions. Red and orange are generally assumed to suggest "warmth and cosiness" while green is considered to suggest tranquillity, nature and relaxation. At The Princess Alexandra yellow has been found to be one of the most popular colours. Staff have found it gives them greater visual clarity when examining veins whilst patients naturally associate it with warm, sunny days and happy times.



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