



# Centro Médico Teknon Barcelona

## Philips AmbiScene in MR room

The Centro Médico Teknon in Barcelona was opened in 1994. Employing some 1,500 healthcare professionals, it offers a comprehensive care service comprising all medical and surgical specialties for both adults and children, including cardiology and aesthetic surgery. Over 14,000 surgical operations and up to 130,000 diagnostic tests are performed each year. The hospital covers more than 6,000 m<sup>2</sup> and includes 300 private rooms, 20 suites, 20 operating theaters, a European referral center for cancer treatment, an intensive-care unit, an accident and emergency unit and diagnostic facilities – all equipped with state-of-the-art technology.

With the emergence of the 'patient as consumer' and mounting pressure on hospital budgets, healthcare institutions like the Centro Médico Teknon are facing a dual challenge – to provide better, more patient-centric care, while at the same time improving operational efficiency by increasing productivity.

Philips has devoted considerable thought to developing meaningful new concepts and solutions that help hospitals to address these challenges. One of these is AmbiScene in Healthcare.

**PHILIPS**  
sense and simplicity



Instead of the usual cold lighting and bare treatment rooms, this LED-based lighting concept with changing lighting colors and intensity creates a comforting and calming atmosphere, reducing patient anxiety. Each patient can choose his or her favorite colors and these are then used for the color display throughout the entire examination. This has a positive effect on the patient during the MRI scan.

“At first, the patients are surprised because they do not know what it is, but after some explanation they think it’s interesting, and by the end of the examination they say they like this lighting.”

MR Technician, Centro Médico Teknon, Barcelona

AmbiScene not only helps patients, it also makes the job of the medical staff easier. Experience has shown that when rooms are lit in a conventional way, patients are frequently nervous. This prolongs the examination and often means it has to be repeated. With this concept, the displays of colored light help to reduce the number of patients experiencing high levels of stress, thus increasing throughput.

“This installation exudes calm and seems different to other MR services that I have visited before. I liked it.”

Patient, Centro Médico Teknon, Barcelona



### For more information:

[www.teknon.es](http://www.teknon.es)

[www.philips.com/lighting](http://www.philips.com/lighting)

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Date of release: 1/2007  
Printed in the Netherlands

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Document order number: 3222 635 94441



**AmbiScene-based solutions**

Medical procedures like magnetic resonance imaging (MRI) can often frighten people, especially children. They feel uneasy in a medical setting and are anxious about the outcome, so the examination can be difficult and time-consuming.

To make hospitals and clinical procedures less intimidating, Philips has developed AmbiScene in Healthcare – a concept centered around variation in light color and intensity that helps patients relax by creating a comforting ambience during diagnosis. As this puts patients at ease, it can speed up procedures and improve the quality of test outcomes. Light color variation can also serve as a communication tool, e.g. for instructing hearing-impaired patients when to hold their breath.

In 2006, Philips delivered the medical equipment and a complete AmbiScene-based solution for the MRI room of the Centro Médico Teknon. The lighting has been designed around the imaging procedure, to relax patients and thus support medical staff. Initial results are already pointing to calmer patients and faster, better diagnoses.

	Benefits	Value creation for hospital
<b>Patient and family</b>	<ul style="list-style-type: none"> <li>• Greater involvement in own treatment</li> <li>• Reduced anxiety and increased comfort</li> <li>• Reduced use of sedation/medication, procedure time, radiation exposure (where applicable), patient safety issues</li> </ul>	<ul style="list-style-type: none"> <li>• Customer satisfaction and retention, possibly leading to generation of new traffic</li> </ul>
<b>Clinical staff</b>	<ul style="list-style-type: none"> <li>• Easier patient handling</li> <li>• Working comfort</li> <li>• Job effectiveness, satisfaction and motivation</li> </ul>	<ul style="list-style-type: none"> <li>• Increased efficiency</li> <li>• Attraction and retention of top-class staff</li> </ul>
<b>Hospital management</b>	<ul style="list-style-type: none"> <li>• Improved workflow</li> <li>• Unique expression of hospital 'brand'</li> </ul>	<ul style="list-style-type: none"> <li>• Improved throughput, optimization of facilities</li> <li>• Differentiation on market</li> <li>• Reduction of overhead cost</li> </ul>