

Projects

Hospital Vithas Turia



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Faro Barcelona designs the lighting for the Vithas Hospital in Valencia



The new Vithas Turia Hospital, a benchmark center in the Valencian Community, has become a prime example of how lighting not only enhances the functionality of a hospital space but also contributes to the well-being of patients and professionals.

In this comprehensive lighting project, Faro Barcelona, a leading company in the design and manufacture of lighting solutions, was responsible for designing the hospital's lighting, creating a warm, welcoming, and technologically advanced environment—Vithas' main goal for all its centers.



Vithas: A commitment to health and comfort

Vithas is one of Spain's largest private hospital groups, with a network of centers that include hospitals, clinics, and healthcare units in various cities. Its mission is to provide high-quality healthcare, with a focus on patient comfort and well-being. As part of its ongoing evolution, Vithas has adopted a philosophy aimed at humanizing the hospital experience, ensuring that its facilities are not just medical centers but spaces where patients feel at home.

Vithas Hospital in Valencia is one of the most notable examples of this philosophy. Opened in 2025, this hospital spans over 10,000 square meters across six floors and is equipped with cutting-edge technology and top-tier medical services. The lighting project carried out by Faro Barcelona aligns with this holistic vision: a lighting design tailored to the needs of each space and the emotional experience of patients.



An integrated approach to enhancing the hospital experience

The challenge of lighting a hospital goes beyond meeting technical regulations. The goal at Vithas Hospital in Valencia was to create an environment that not only ensured proper visibility but also generated a pleasant and comfortable atmosphere for patients, their families, and healthcare staff.

Faro Barcelona's team was responsible for the hospital's comprehensive lighting design, covering all areas, from common spaces to operating rooms. The lighting design considers not only functionality and safety but also key factors such as light temperature and visual harmony, creating more pleasant environments that aid in patient recovery and optimize conditions for treatments and medical procedures.



A welcoming experience from the very first contact

The lighting design at Vithas Hospital in Valencia follows this welcoming and functional approach right from the emergency areas, where immediate attention and patient comfort are essential.

In the admissions area, a key point of contact between the hospital and patients, uniform, glare-free lighting has been prioritized, ensuring a balanced distribution that optimizes visibility across all spaces, particularly at the information desk. To add a decorative touch, the reception counters feature Mine pendant lamps, whose wooden finishes enhance the warmth of the space. This design allows staff to assist patients efficiently and personally, improving user experience and administrative processes. Queue management points, strategically placed near the entrance, have functional yet warm 3000K lighting that creates a welcoming ambiance without sacrificing visual clarity. This helps reduce the perception of waiting times and provides a calmer, more organized experience.



Waiting rooms, in turn, incorporate our Domio surface-mounted luminaire, combined in various sizes to add personality and visual comfort. This design not only improves functionality but also enhances warmth and well-being in spaces often associated with stress and waiting. Therefore, the lighting in these areas is set at 3000K, a warm color temperature that closely resembles a hotel-like environment while fully complying with hospital regulations.

Together with natural elements such as large windows with exterior views and greenery, the lighting design helps reduce the feeling of waiting and creates a more relaxed atmosphere.



Rooms designed for both patient well-being and medical work

Lighting in patient rooms must allow for both clinical examinations and the creation of a relaxing atmosphere that promotes rest. Therefore, the right combination of general, focal, and ambient lighting is key to enhancing the experience of patients and their families while optimizing the work of healthcare professionals.

The examination area may require additional lighting during check-ups or medical procedures. To ensure both accuracy and comfort for specialists, a Kobo downlight has been installed directly above the examination bed, providing intensive 4000K light. This color temperature is ideal for clinical evaluations, as it offers a precise and clear color rendering, facilitating patient assessment.

°To complete the lighting scheme, each room features Croc downlights, which provide uniform lighting without excessive contrasts, ensuring a balance between functionality and comfort. Additionally, the lighting in the room is dimmable via a DALI system and has a warm 3000K tone to promote relaxation. Indirect lighting, provided by LED strips strategically placed on the headboard, minimizes glare and creates a cozy atmosphere, reducing eye strain and fostering a more calming environment.

Medical consultation rooms and diagnostic areas:
functionality and comfort

A well-planned lighting design enhances diagnostic accuracy and contributes to a calmer and more pleasant experience for patients. Therefore, the lighting in the hospital's consultation rooms and diagnostic areas must meet high standards of functionality and visual comfort, ensuring an optimal environment for both medical staff and patients.

To achieve uniform, shadow-free lighting, the large-format Domio surface-mounted luminaire has been strategically installed above the examination table. Its wide light-emitting surface provides homogeneous illumination that reduces contrast and minimizes glare, facilitating clinical evaluations with 4000K lighting—ideal for accurate detail perception in medical examinations. Complementing this general lighting, Croc downlights have been selected to reinforce illumination at key points within the consultation rooms. Their high-efficiency microprismatic diffuser and recessed design ensure focused lighting, creating a well-balanced atmosphere between functionality and visual comfort.





Customized lighting for medical and surgical areas

One of the most critical aspects of this project was designing tailored lighting solutions for operating rooms and adjacent areas, such as sterile corridors, emergency rooms, ICUs, and intervention boxes. These spaces are part of what is known as cleanrooms, designed to maintain maximum aseptic conditions, as they accommodate high-risk surgical procedures. As a result, they must comply with strict regulations defined by the ISO 14644 Cleanrooms and related controlled environments standard.

To meet these cleanroom standards and environmental control levels, our Proclean luminaires were used. These lighting solutions ensure a safe environment by preventing the release of microparticles into the air while adhering to the highest cleanliness and hygiene standards.

Another crucial aspect of cleanroom lighting is the Color Rendering Index (CRI), which ensures accurate color visibility—especially for skin and blood tones. The lighting must therefore maintain a CRI above 95 to meet the highest safety standards during procedures while achieving a luminous efficacy greater than 190 lm/W. Finally, lighting control systems are essential. These dimming methods allow staff to adjust light levels based on their needs. In this case, Proclean luminaires are equipped with a DALI dimming system, ensuring uniform and glare-free lighting. An additional benefit of this system is energy optimization, which, combined with a lifespan of 150,000 hours L80B10, helps reduce overall energy consumption.





Welcoming and functional outdoor spaces

Well-planned hospital outdoor lighting not only improves user experience but also contributes to patients' emotional well-being and staff comfort.

The hospital's terraces balance functionality, safety, and well-being, creating a welcoming environment for both patients and staff. In this regard, the use of warm color temperatures is essential for generating a relaxing atmosphere. To achieve this, the Nat recessed lighting ensures discreet illumination along terrace edges, improving safety without causing light pollution or glare. Meanwhile, the landscaped areas, designed to enhance well-being within the hospital setting, are highlighted by Geiser ground-recessed fixtures, which provide accent lighting to enhance vegetation.

The lighting design for the hospital's exterior also plays a crucial role in user orientation. To define spaces and ensure safety, signage lighting is key. For this reason, the façade has been illuminated using Kov wall lights, which feature a minimalist design that not only adds a contemporary touch but also includes an internal drainage system to prevent water accumulation, ensuring durability in outdoor spaces. The Agra bollards, in turn, provide soft, directional lighting along pathways and entrances.



Energy efficiency and durability

Energy-efficient lighting not only reduces electricity consumption and operational costs but also promotes hospital sustainability.

In controlled or restricted access areas such as basements, technical rooms, boiler rooms, or waste storage areas, Proofline waterproof luminaires were selected. Their design allows for high levels of energy efficiency—an essential aspect in spaces requiring intensive or prolonged lighting. These solutions are specifically designed to offer exceptional resistance to harsh environments, thanks to their high IP65 protection rating, ensuring durability even under demanding conditions. For this project, Faro Barcelona developed custom sizes for the Proofline collection, adapting the luminaires to the specific needs of these spaces, which require high luminous efficiency.

This collection was also installed in parking areas, where lighting is a key factor in ensuring safety, visibility, and energy efficiency. With a luminous efficacy above 150 lm/W and a lifespan exceeding 50,000 hours L80B10, it significantly reduces maintenance needs, thereby minimizing the hospital's operational costs.

Lighting project: Faro Barcelona
Architecture: SERTA Arquitectos
Engineering: Grupo Euring Ingenieros

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