

DIAGNOSIS: GOOD LIGHT LIGHTING SOLUTIONS FOR HOSPITALS



HIGH-QUALITY LIGHT FOR A SWIFT RECOVERY

INNOVATIVE HOSPITAL LIGHTING FROM LEDVANCE

Light is life. Its effects on body and soul are irreplaceable. Good quality light has a significant influence on the mood of patients and their speed of recovery.*



Light creates a positive atmosphere: Good lighting makes patients feel relaxed and helps to create a friendly, health-promoting environment – not only in hospitals but also in rehabilitation centers, nursing homes and all other medical facilities. In particular, lighting that simulates the changes in natural daylight has a beneficial effect on the sleep patterns of patients, speeds up the recovery process and improves the performance of staff. The key here is human centric lighting.

Light increases efficiency: Efficient LED light and smart light management systems can deliver energy savings of up to 80 %.

* Source: AT Kearney, Human Centric Lighting: Going Beyond Energy Efficiency

HUMAN CENTRIC LIGHTING (HCL) – DAYLIGHT FOR HEALTH

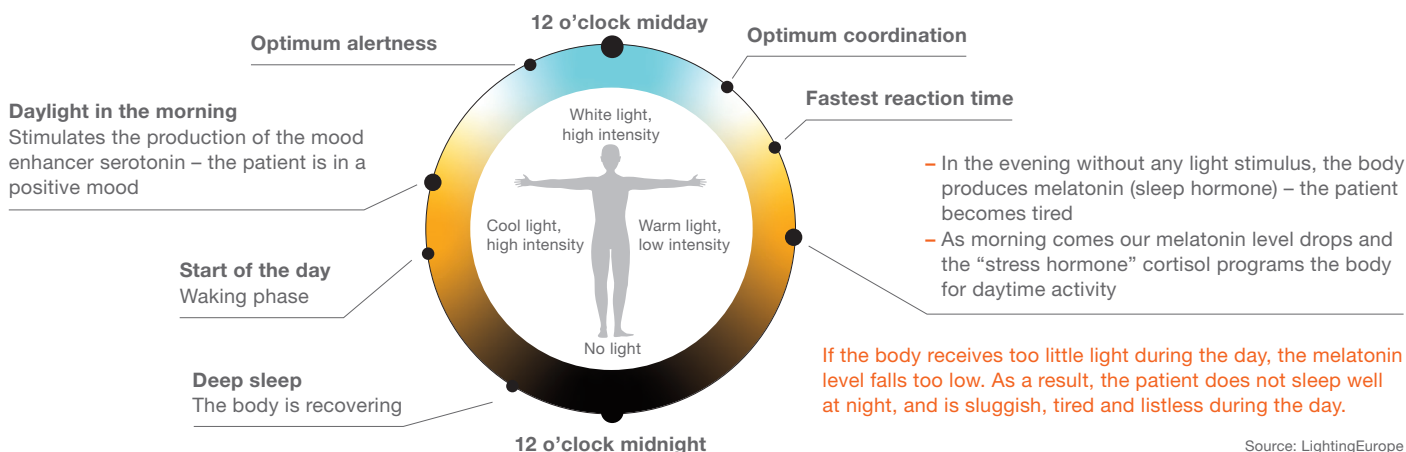
Daylight is our most important source of energy. A lack of daylight can cause serious disruption to our day/night rhythm (our “inner clock”). This in turn can lead to a massive degradation in performance levels in healthy individuals and can have a severe effect on the recovery process of sick patients.

HCL is now bringing the health-promoting effects of daylight into sharp focus. The principle here is that the right light at the right time creates a lighting scenario that mimics the natural course of daylight with all its biological and emotional effects.

MANY CHALLENGES, ONE ANSWER: LEDVANCE

LEDVANCE offers optimum lighting solutions whatever the task – thanks to a comprehensive portfolio and a wide range of professional services.

CIRCADIAN RHYTHM – THE BODY’S 24-HOUR CYCLE



LEDVANCE BIOLUX LIGHT TAILORED TO PEOPLE

BIOLUX is the innovative HCL system from LEDVANCE. With the help of an intelligent algorithm, it automatically adjusts the artificial light to simulate the changes in natural daylight – accurate for the time of day and the location – to produce the best possible biological effect. Changes in color temperatures and lighting levels support our natural bio-rhythms.

Winner of design, function, innovation & quality awards:



reddot winner 2020



VDE ID: 40051908

LEDVANCE BIOLUX SYSTEM: THE FIVE LIGHT PROFILES



Operation of BIOLUX is intuitive. Preprogrammed light profiles can be easily selected on the control unit.

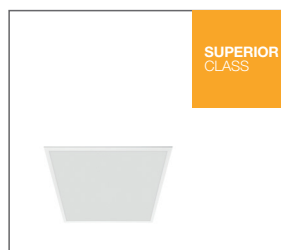
NATURAL LIGHT WHATEVER THE TASK: THE BIOLUX COMPONENTS



BIOLUX HCL CONTROL UNIT



BIOLUX HCL DOWNLIGHT



BIOLUX HCL PANEL

BIOLUX is ideal for rooms with up to 20 luminaires* –such as patient rooms, staff rooms, public rooms and offices with little daylight.

* Higher number of luminaires on request

THE PERFECT PRESCRIPTION: IDEAL LIGHTING SOLUTIONS FOR ALL AREAS

FOYERS/WAITING AREAS



Solid background lighting in foyers and waiting areas creates a friendly atmosphere and helps visitors to find where they need to go. Swivel spotlights that can be directed on objects and pictures add visual accents, while LED strips produce a pleasant indirect light.

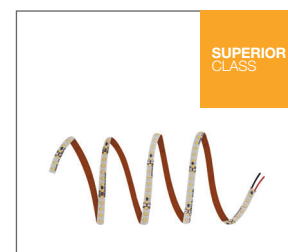
PANEL IndiviLED®



SPOT ROUND ADJUST



LED STRIP



STAIRS/CORRIDORS



Stairwells and corridors need good basic lighting 24 hours a day, with minimum illumination guaranteed by optional emergency lighting in the event of a power failure. DALI functionality also allows for intelligent, energy-efficient lighting management.

DOWNLIGHT ALU DALI



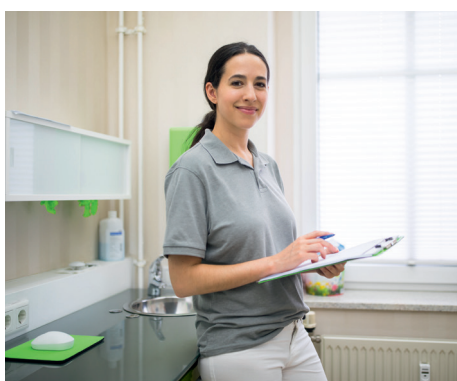
SURFACE COMPACT IK10



SURFACE BULKHEAD
SENSOR EMERGENCY



STAFF ROOMS



Cool light colors in staff rooms help to keep doctors and nurses motivated and alert during their shifts, support high levels of concentration and aid faster recuperation during work breaks.

PANEL DIRECT/INDIRECT



LINEAR IndiviLED®
DIRECT/INDIRECT



OSRAM DULUX® LED LAMPS



Hospitals are complex buildings with numerous different areas. The lighting has to fulfill very specific tasks for patients, staff and visitors. While functional aspects predominate in stairwells and corridors, for example, the light in reception areas, patient rooms, waiting areas and dining rooms must also always promote the well-being of people.

And the light around the buildings and along the access routes also has to meet specific requirements. Visitors appreciate facades that are attractively illuminated, and parking lots and garages that are well lit for maximum security and ease of navigation.

PATIENT ROOMS

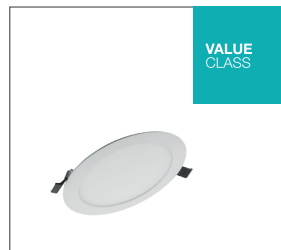


Pleasant, glare-free light that patients can control from their beds creates an attractive ambience. For bathrooms, wash rooms and so on, however, bright and uniform illumination is important for safety reasons.

LINEAR COMPACT SWITCH



DOWNLIGHT SLIM ALU



OSRAM LED LAMPS

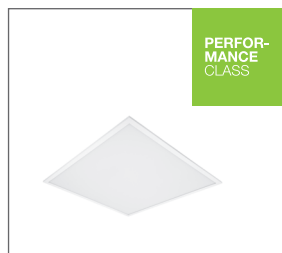


CAFETERIAS/ DINING ROOMS



Bright, friendly light boosts appetite and encourages relaxation. While area luminaires are recommended for background lighting, vintage lamps can create cozy coffee house zones. Damp-proof IP54 luminaires are suitable for food preparation and serving areas.

PANEL IP54



PANEL PERFORMANCE



VINTAGE EDITION 1906



OUTDOORS/PARKING



Brightly lit access roads, facades and entrance areas look inviting and create a sense of reliability. Smart LED tubes provide highly energy-efficient zoned lighting in parking garages.

FLOODLIGHT
PERFORMANCE



DAMP PROOF HOUSING



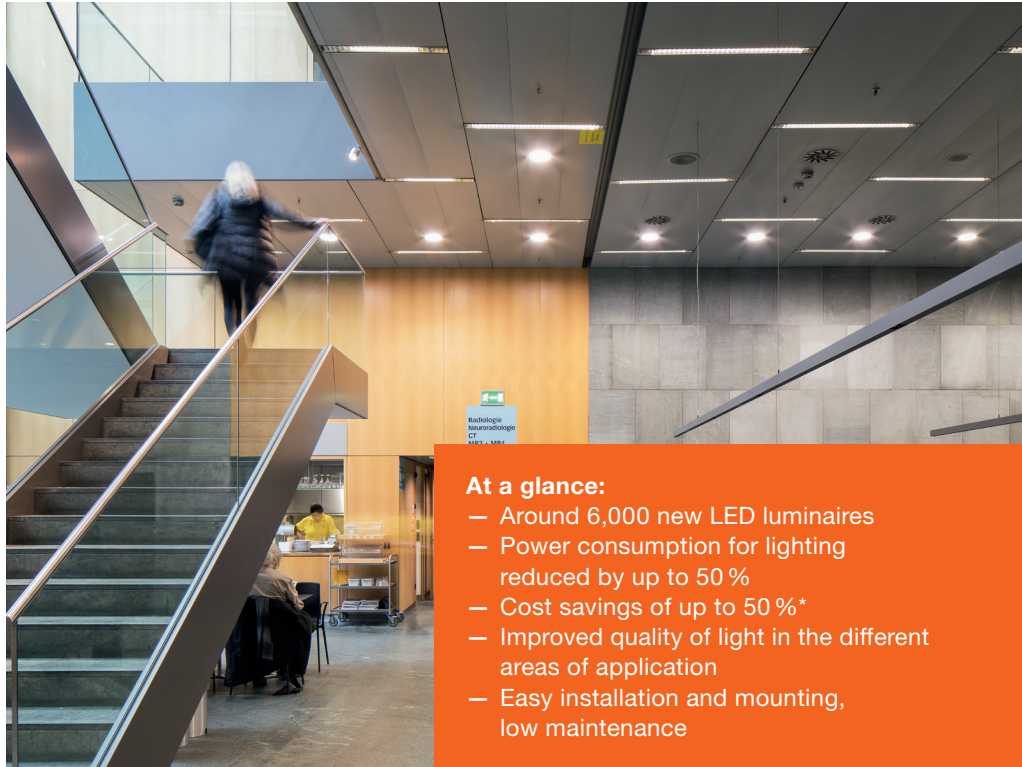
OSRAM SubstiTUBE® T8
CONNECTED



CLINICALLY TESTED EXAMPLES FROM ACTUAL PRACTICE

TIROL KLINIKEN INNSBRUCK LED LIGHT AND SUSTAINABLE ENERGY MANAGEMENT

Tirol Kliniken in the heart of the Alps is synonymous with first-class innovative medicine. The facility has set itself ambitious goals also in terms of sustainability. As part of its sustainability drive it has already upgraded its lighting to energy-efficient LED technology. 6,000 modern LED luminaires from LEDVANCE now deliver much better quality of light – and energy savings of up to 50 percent.

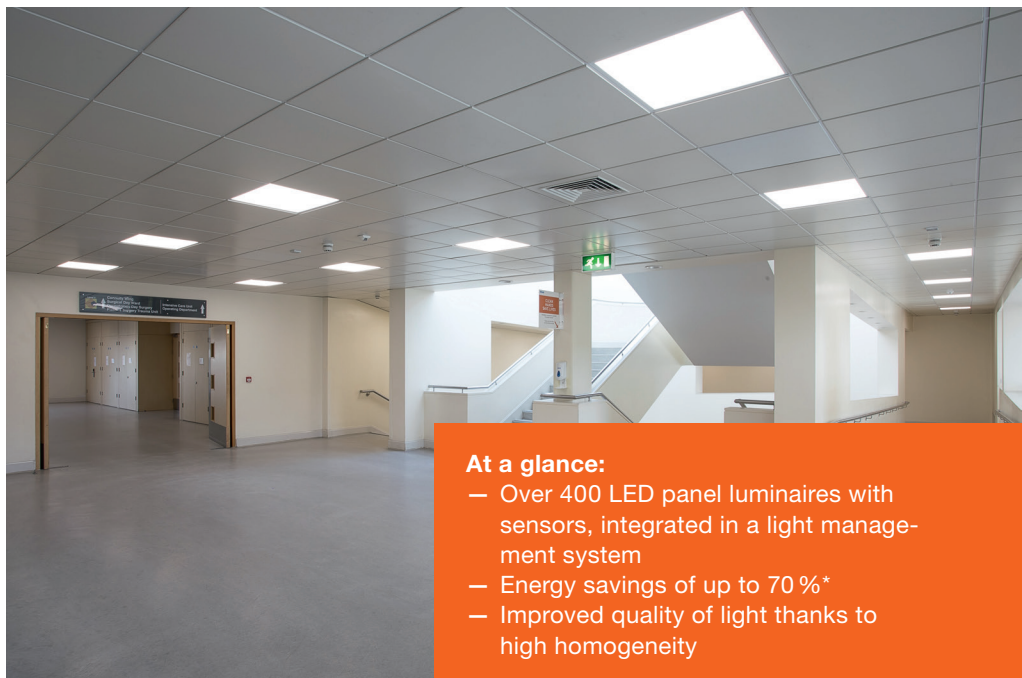


At a glance:

- Around 6,000 new LED luminaires
- Power consumption for lighting reduced by up to 50 %
- Cost savings of up to 50 %*
- Improved quality of light in the different areas of application
- Easy installation and mounting, low maintenance

CONNOLLY HOSPITAL DUBLIN RELIABLE ENERGY-EFFICIENT LIGHTING

Connolly Hospital is a very large hospital with high admission levels. There was therefore a need for lighting that combined high energy efficiency with minimum failure rates. Our solution comprised over 400 new LED panel luminaires and a light management system, producing energy savings of up to 70 %. And with a 5-year warranty, LEDVANCE guarantees high reliability.



At a glance:

- Over 400 LED panel luminaires with sensors, integrated in a light management system
- Energy savings of up to 70 %*
- Improved quality of light thanks to high homogeneity

* Taking into account lamp replacement

PERFECT CARE, ALWAYS FULL RANGE AND ALL-ROUND SERVICE

LEDVANCE: THE RIGHT CHOICE FOR NEW AND REPLACEMENT LIGHTING

With our extensive product portfolio that we are continually expanding we can offer you the greatest possible freedom of design for future-proof lighting solutions. As a full-service partner with a worldwide sales and service network, we can also give you individual advice based on our high levels of expertise and experience. This will take the pressure off you from the planning stage right through to implementation.

As a valuable extra, especially in the cost-conscious healthcare sector, many of our OSRAM LED lamps are designed as one-to-one retrofits, which makes replacing conventional lamps both simple and cost-effective.



THE COMPLETE PROGRAM



Innovative, top quality and from a single source: our portfolio offers you everything you need for the success of your project.

- LED luminaires
- OSRAM LED lamps – including many retrofit products for straightforward replacement
- Electronic components, drivers and LED modules
- Flexible LED strips
- Smart light management systems
- Traditional light sources

SERVICE FROM START TO SUCCESS



Take advantage of our comprehensive support to achieve optimum results and reduce the time and effort you spend.

- Individual lighting and product advice for your project
- Clever lighting calculation with DIALux and RELUX software
- International sales network for personal contacts around the globe (healthcare@ledvance.com)
- eLearning courses for professional users (training.ledvance.com)
- User-optimized online catalog for efficient product searches (www.ledvance.com)
- Complete range of services and practical tools (www.ledvance.com/tools)

ABOUT LEDVANCE

With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. Having emerged from the general lighting business of OSRAM GmbH, LEDVANCE offers a wide ranging assortment of LED luminaires for a broad spectrum of application areas, intelligent lighting products for Smart Homes and Buildings. The company offers one of the largest LED lamps portfolios in the industry, traditional light sources, LED Strip system and light management systems.



LEDVANCE

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LEDVANCE is licensee of product trademark
OSRAM for lamps products in general lighting.

LEDVANCE.COM

