

A photograph of a child lying on an MRI table, being prepared by two medical professionals in white coats. The child is looking up at the ceiling. The MRI machine is a large, circular, light-colored structure. The room has blue walls and a white ceiling with recessed lighting. The overall atmosphere is calm and professional.

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Dynalite

Lighting and space control for smart hospitals

Transform your environment and
enhance people's lives

Transform your space with connected lighting control

Quality lighting is important for human health and wellbeing. It enables us to see well, function well, and feel well.

The body clock and the circadian rhythm are strongly regulated through exposure to light. Limited access to natural daylight in settings like hospital rooms – even for short periods of time – can greatly reduce the body's ability to maintain a healthy biorhythm.

Using light effectively in healthcare facilities supports patient sleep cycles and improves patient and staff satisfaction. It also has proven benefits on mental health and productivity and impacts occupant mood, memory, and mental alertness.

In a healthcare setting where the wellbeing of patients and staff is imperative, connected lighting is the key to creating a world-class facility.



Create a smart and safe hospital



Patients and families

Light can improve parameters like mood and depression, sleep, and length of stay.

Connected lighting is especially beneficial for patients in special care, whose circadian rhythms or emotional health is impaired, such as patients with Alzheimer's disease or those in palliative care.



Healthcare workers

Create an optimal work environment using connected lighting that supports the comfort, alertness, and performance of your workforce.

Additional benefits include improving the circadian rhythm and reducing the stress of nightshift workers.



Department heads

Discover new efficiencies, including:

- Increased employee satisfaction and productivity.
- Improved energy savings and sustainability outcomes.
- Decreased patient hospitalization times.



With System Manager, users can:

- Maintain 100% uptime in mission critical areas through predictive lamp failure and proactive maintenance.
- Manage system performance remotely.
- Make data-driven decisions from system insights.
- Automate the testing of emergency lighting quickly and easily to ensure regulatory compliance and occupant safety.

Other system benefits include:

- RS-485 and DALI-2 compliant to enable open communication with third-party systems.
- Easily disinfect air and surfaces using UV-C technology.
- Advanced integration capabilities including AV, HVAC, BMS, and more.
- Preset lighting control takes the guesswork out of lighting.

Create a healthy environment that supports wellbeing

The Dynalite System is task-adaptable and fit for purpose:

- NatureConnect luminaires by Signify bring the benefit of natural light indoors for comfortable, engaging and attractive environments.
- Natural day rhythms improve mood and mental alertness of patients and staff.
- We offer specialized solutions for MRI suites, examination rooms, intensive care units, as well as interactive solutions for children.
- Task-adaptable lighting provides the right mix of colour temperature and intensity for all building occupants.
- Staff can quickly and easily bring the room to full brightness in case of an emergency.

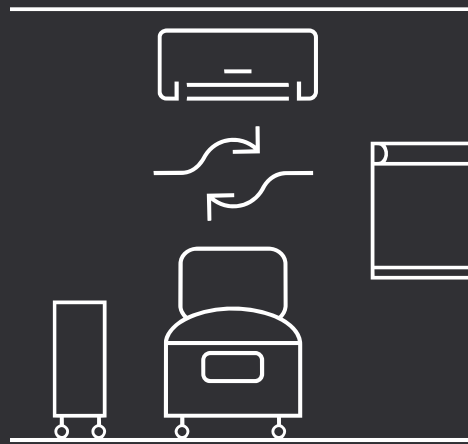


Create a cost-efficient and sustainable hospital

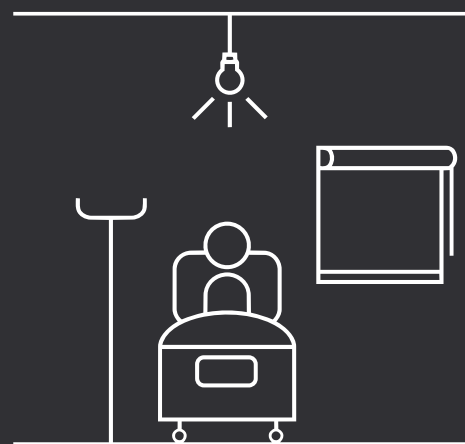
A range of thoughtfully designed features help to:

- Reduce power consumption and CO2 emissions.
- Improve sustainability outcomes and financial performance.
- Ensure adherence to global certifications such as WELL, LEED, and BREEAM.
- Extend the life of lamps.

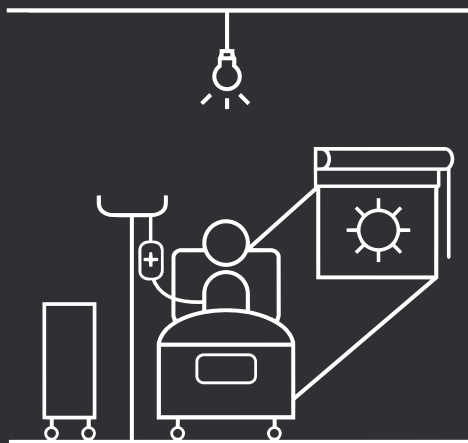
HVAC integration



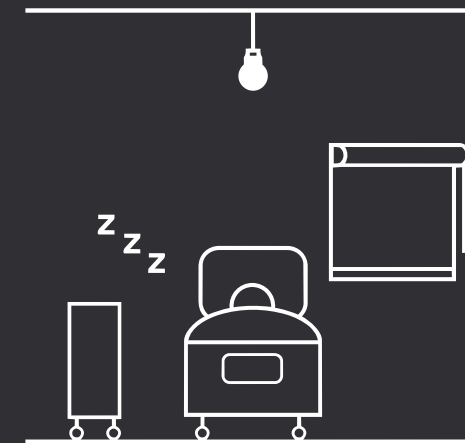
Occupancy Detection



Daylight harvesting



Standby power management



“ LED connected lighting systems can reduce lighting-related energy costs by up to 80% whilst supporting adherence to global building standards such as WELL. ”



To learn more about our control solutions
visit [dynalite.com](https://www.dynalite.com)

www.dynalite.com

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