

Press information

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Cavell – the healthcare bedhead for optimal patient rest and observation

Comfortable bedhead lighting by day and by night. Intended for installation above medical beds in hospitals, care homes and hospices, Cavell is Thorn's easy to use and custom-designed bedhead luminaire.

April 2022 - Thorn Lighting is pleased to introduce the new Cavell luminaire which provides a low-glare, soft lighting of patients, bedded areas and bedrooms and wards. General lighting areas in healthcare environments need to offer suitable light for nursing procedures while also providing a pleasant, relaxing environment for patients to recover in. Cavell does just that.

Downlight, uplight and dual light modes

The downlight function provides comfortable lighting for patients throughout the day and night, and makes examination and observational checks by healthcare professionals easier. Cavell's optical design ensures that direct glare onto the patient is minimal, to promote rest and recovery. The bedhead will also not disturb any bedded patient directly opposite, due to its tailored beam angle.

The uplight ensures patients, doctors, nurses and other care staff can move around the ward or bedroom space in a safe manner.

Importantly, Cavell has been designed with twin drivers to control the up and downlight separately. This dual control can be operated from both a nursing station and the patient's bedside switch.

Reading light

On and around the pillow area, the patient's reading light should provide a minimum of 300 lux. To improve sleep in hospital wards, the indirect or room lighting source is typically turned off during hours of rest. During this time, any patient who wishes to read or use a personal electronic device can make use of the bedhead's downlight in its low-level, dimmed "reading mode".

Observation light

This maintained illumination mode, at and around the bedhead position allows caregivers to continuously monitor a patient's progress during crucial periods including post-operative care and critical illness.

Design and build

Cavell provides good uniformity of light and low glare across various bed layouts, with consideration for the patient and those in the surrounding area. The uplight is angled to throw light forward into the room, using reflection from the ceiling to enhance the uplight effect, creating a nice ambience in the room.

Cavell was designed to ensure the highest quality cleaning procedures required in healthcare environments can be carried out easily. The steel body and two opal diffuser panels are seamless, with no gaps, crevices or exposed screws for germs, dust and dirt to accumulate. The luminaire's flat surfaces promote a straightforward wipe-clean routine and the pure white paint finish highlights any dirt.

Quick and easy install

Cavell has been designed with the installer in mind. A 5-pin plug-and-play terminal is provided for easy wiring of both the downlight and uplight, enabling fast connection to the in-built twin drivers, while a lightweight back plate has been designed to be secured to the wall first, keeping things simple. In addition, the main body can be safely attached to the back plate using dog-clips to ensure the product cannot be dropped during assembly, or during removal for maintenance.

Jon Lim, Product Manager UK & Ireland, said, *"The Cavell bedhead luminaire was designed with patient comfort and hygiene as a priority. The optical design combines the latest LED technology with an innovative use of reflectors and diffusers. This offers the correct lux levels with a very low glare making the patients' lighting experience on the ward/suite as comfortable as possible. The steel body and opal diffusers are designed specifically with no hidden dust or bacteria traps making it easy to clean and therefore maintaining the highest hygiene standards."*

Mark Mattimoe, Thorn's Head of Application for Education, Office, Healthcare and Retail added, *"The Cavell bedhead luminaire marks one of the key cornerstones of a renewed strategy surrounding the Health & Care Application for Thorn Lighting. With its design centred around compliance to SLL Lighting Guide 2: Lighting for Healthcare Premises (2019), Thorn now has a strong offering for bedded areas and wards for hospitals, care homes and hospices that is tailored to provide comfortable and controllable lighting for patients and healthcare staff to assist in treatment and recovery."*

Images

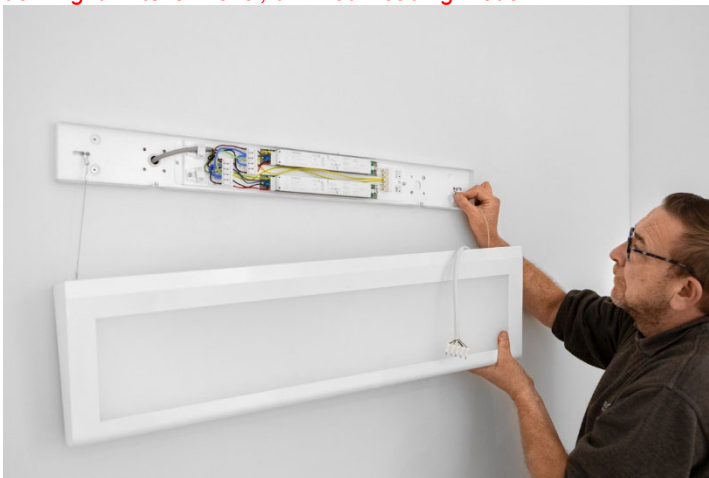
(Photo credits Thorn)



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Information

This press release and high-resolution images can be downloaded from:
<https://www.thornlighting.com/en/about-us/press>

About Thorn

Thorn designs and develops innovative, performance-driven and dependable indoor and outdoor lighting and control solutions. Our comprehensive portfolio addresses the daily requirements of municipalities, contractors, consultants, architects, installers, wholesalers and end users. It covers a broad spectrum of applications, including office, education, industry, urban life, transportation, sports, road, parking and also emergency and control solutions. Around the world, the Thorn name is synonymous with proven quality, reliability and efficiency. With over 90 years of lighting experience, we have established ourselves as a trusted partner committed to providing customers with support that goes far beyond the product. We help to improve public and traffic safety in communities with intelligent solutions and better connectivity. Thorn is a proud member of the Zumtobel Group and fully dedicated to providing the right light for people, places and the environment. In all of our efforts: We make light work for you. Learn more at <https://www.thornlighting.com/en>

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