

Careline

Integrated ward lighting solution



100+
LL/CW



IP44

LED



Overview

Complete LED lighting solution for hospital wards consisting of;

1. Recessed linear luminaire in innovative angular 'U' shape
2. Two downlights at each end of 'U'
3. One downlight over bed head
4. One standalone compact LED emergency head

System is supplied as a complete unit with all products pre-wired and mounted into a 1800mm x 1200mm metal pan
Specially designed to comply with Healthcare guidelines LG2 and BS EN12464 – 1:2011 (1000 lux and Ra90)
Two colour versions available;

1. 4000K 'cool' white, Ra90
2. Tuneable white; ranges between 3000K – 6500K and Ra90 – Ra80 respectively

Controls and Scenes

Careline is a DALI addressable system and as such can be connected to a room or building-wide Command Elite system

- 4000K cool white solution is pre-programmed offsite (no commissioning required) with the following 6 scenes
- The tuneable white version requires an additional Command Elite router and must be commissioned onsite.

1. Examination – 1000 lux
2. General nursing care – 300 lux
3. Patient rest / Daytime – 30–40 lux
4. Reading – 300 lux at top of bed
5. Night light – 5 lux at end of bed and 0.5 lux on pillow
6. Observation – 20-40 lux

Each scene can be dimmed to suit the needs of the patient and hospital staff whether through a bed handset or a wall-mounted switch panel (to be supplied separately)

The tuneable white product enables the main linear luminaire to be configured between 'warm' whites starting at 3000K to 'cool' whites up to 6500K. The light can be tuned by the patient via a handset or a switch unit (supplied separately)

The sequence of natural daylight can be mimicked through colour temperature tuning; enabling a biological syncing with the human body-clock, which in turn promotes comfort and healing

Optics

- Linear 'U' luminaire;
 - Opal diffuser for uniform light output and wipe clean surface
 - High output light engines
- Two downlights (end of bed);
 - Patient reading or observation
 - Focused 10° distribution of light
- One downlight (top of bed);
 - Circulation and night lighting
 - Set back into ceiling to increase cut off angle for comfort
- Standalone emergency head;
 - Open area distribution lens
 - Maintained 3hr or COMECS emergency

Body

- Sheet steel panel finished textured white
- Recessed mounted into exposed T ceiling
- Complete with flying lead and marshalling box

To Specify

Recessed fully integrated, multiple source LED lighting system for individual patient care and rest within a ward. DALI protocol to achieve all lighting performance requirements in LG2 & BSEN12464-1:2011, including 1000 lux and Ra90 for doctor examination/treatment. Linear 'U' shaped LED luminaire delivers a continuous line of light, with optional tuneable white. LED downlights angled towards task to maximise performance. Integrated standalone emergency luminaire – as Whitecroft Lighting CARELINE

Application images

