



Information

- 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

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

Controls and Scenes

- Careline is a DALI addressable system and as such can be connected to a room or building-wide Command Elite system
- The system is pre-programmed with 6 scenes;
 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

Body

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

careline

Order Codes

Careline Recessed (Complete Unit)

Ra90, 4000K

Ra80-90, Tuneable White

3 hr Emergency

CLYR94KEM

CLYRTEM

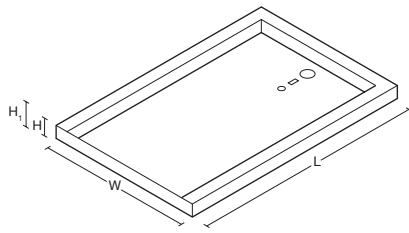
Options

COMEPS*

Replace EM with /EP i.e. CLYR94K/EP

*Can be wired as Easytest if required

Dimensions



L	W	H	H ₁	KG
1785	1185	83	110	39.5

Ceiling Integration

Refer to installation instructions for further details

Exposed T Grids

T15/T25 Pull up

Plasterboard

Prepared aperture

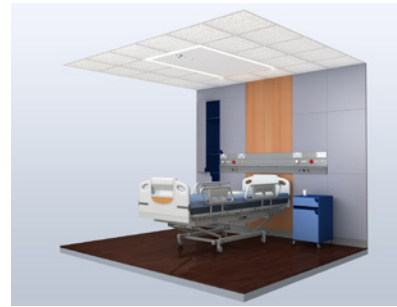
LED Performance

Version	Colour Temp	Ra (CRI)	Life Expectancy
Ra90	4000K	≥ 90	L ₈₀ (50,000hrs)
Tuneable	3000-6500K	≥ 80-90	L ₈₀ (50,000hrs)
Bed head downlight	4000K	≥ 80	L ₈₀ (50,000hrs)
Night light downlight	4000K	≥ 80	L ₈₀ (50,000hrs)

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

Lighting options



Examination

1000 lux

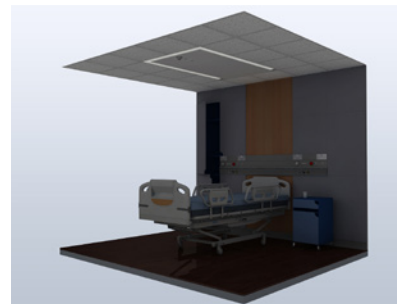
Linear	100%
Bed head	100%
Night light	0%



General Nursing Care

300 lux

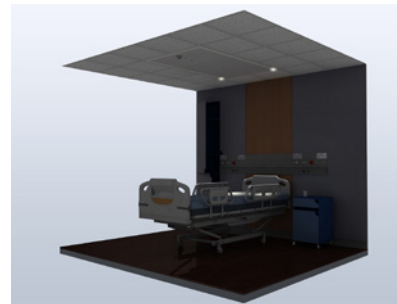
Linear	42%
Bed head	0%
Night light	0%



Patient Rest / Daytime

30 - 40 lux

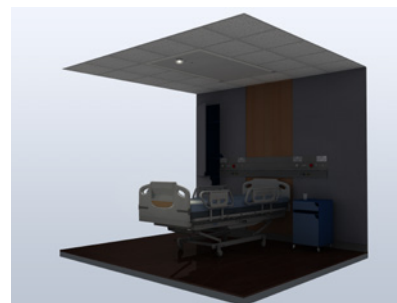
Linear	4%
Bed head	0%
Night light	0%



Reading

300 lux top 1m of bed

Linear	0%
Bed head	100%
Night light	0%



Night Light

5 lux / 0.5 lux max on pillow

Linear	0%
Bed head	0%
Night light	5%



Observation

20 lux – 40 lux

Linear (end only)	36%
Bed head	0%
Night light	5%