

# MONTHLY NEWS

APPROVED  
SUPPLIER TO  
NHS TRUSTS

Due to recommendations from various NHS Trusts, Low Energy Designs have been selected to be apart of, **'The National NHS Trust Procurement Directory' 2015**

That makes us, not only an approved supplier to NHS Trusts but a **preferred** supplier.

Hospitals & Healthcare facilities have very strict criteria for selecting lighting requirements, that's why Low Energy Designs has worked closely with the NHS Trusts to deliver the best indoor and outdoor LED lighting solutions for healthcare applications to meet all of their requirements in maximising energy and CO2.

We are a UK company that can provide you with a full technical site survey and lighting design that is specific to your needs and requirements, but more importantly, one that is affordable, energy efficient and cost effective whilst adhering to strict health and safety protocols. We calculate the return of investment which can be fully funded if required and offer post customer support and optimisation all FREE of CHARGE as part of our service.

The choice of lighting can effect task performance, well-being and whether patients and visitors feel the space is clean and safe. Research shows that daylight and window view can have positive effects on patients, their sleep patterns, circadian rhythms and recovery rates. Good levels of daylight should be expected in areas for treatment, waiting, administration and overnight stay. Our products have been designed to provide the same wavelength of light to match the natural daylight, whilst dimming to keep consistency of light throughout the day or season.

Using our controls like Daylight Harvesting, brings the light on only when the area is occupied and automatically switches off according to the ambient light level to maintain a constant brightness of between 100-1000 lux. In areas of low traffic the dimming option reduces energy consumption and can save you even more in electricity costs.



Infection control is highly important in all healthcare buildings. Airborne particles as small as 0.5µm can transfer harmful bacteria. Thanks to the careful design of our LED products specific to healthcare, we've made sure there are minimal areas of horizontal surfaces on which dust may collect and they are also designed with suitable ingress protection for dust and moisture.

The optical design of our Downlights shield patients and staff from direct glare and are flicker-free. With their sleek design the SkyLIGHT & Glow create an appealing environment while delivering illumination that balances patient care and comfort, without interfering with equipment.

## PAGE 2- Emergency lighting & outside lighting

### Emergency lighting -

Our 3hr maintained emergency lighting is required to operate automatically and give illumination of a sufficiently high level to enable all occupants to evacuate the premises safely and allow for staff to continue with tasks when other spaces may have to be evacuated.

The SkyLIGHT & Glow can be supplied as 3hr maintained emergency versions.



### Outside LED lighting– Capable of providing up to 80% cost savings compared with traditional lighting

It is important that entrances and the outside surroundings are clearly lit to advertise the way into or around the building whilst providing sufficient light for the task including ,driving, unloading ambulances or access for wheel chairs. Our outside LED lighting solutions have historically proven over the past 9 years to be robust and to cope in all environments across the world. Our solution provides good vertical illumination, this helps to provide good facial recognition and colour definition for CCTV. All of this has proven to regulate insurance claims against the health trusts.

Using lighting controls like wireless activation at night saves even more power and greatly reduces costs with the automatic ramping of the light up and down or only providing light at higher levels at times of high footfall or when it is needed.



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