

ELEKO HIGHLIGHTS THE BENEFITS OF ARENA LIGHTING

Using Your Arena All Year Round

As the nights draw in the benefits of arena lighting become self evident; allowing riders to use their arenas in the months they might otherwise lay redundant.

Technology

LEDs have revolutionised lighting technology and one of the ways this can benefit arena owners is in the wide range of powerful, reliable and compact fittings that are now on the market.

LEDs give instant light from the moment they are switched on, and are renowned for their exceptionally long operating times (typically between 30,000 to 50,000 hours)

LEDs are incredibly energy efficient, typically 90 per cent more efficient than the old fashioned traditional bulbs and can use just 10 per cent of the energy for the same amount of light output. This means their running costs are a fraction of the cost of traditional lighting.

Costings

Typical led running cost. Six poles lighting a 40 x 20m arena would cost 2.7p per hour to run.

$0.18\text{kW} \times 15\text{p} = 2.7\text{p}$ (based on standard unit electricity price of 15p).

Another advantage of LED lights is that they can be easily powered from a small generator, as they require very little current. This can be especially useful in isolated locations where a mains power supply is not available.

Light Tilt

Each light should be independently tilted to avoid light spillage beyond the arena boundary.

Positioning Lights

Lights need to be positioned around the edge of the arena, to maximise the lit area and prevent shadowing.

Generally lights are fitted along the long sides of arenas – but depending on the actual size (especially where the overall shape is squarer) they can also be placed on the shorter sides.

Infrastructure

Lighting can be considered as part of the initial arena design and installation process, or easily added to existing arenas.

A permanently installed lighting scheme, generally concreted into the ground, is likely to require planning permission. Such designs are best factored into the initial construction.

Light fixtures that are without permanent fixings can easily be installed to existing arenas and less likely to be subject to planning.

Eleko specialise in LED arena lighting, that is designed to be quick and easy to use with no permanent fixings. Supplied, installed and commissioned by qualified electrician

■ See a video of our innovative lighting on our website and Facebook www.eleko.co.uk

