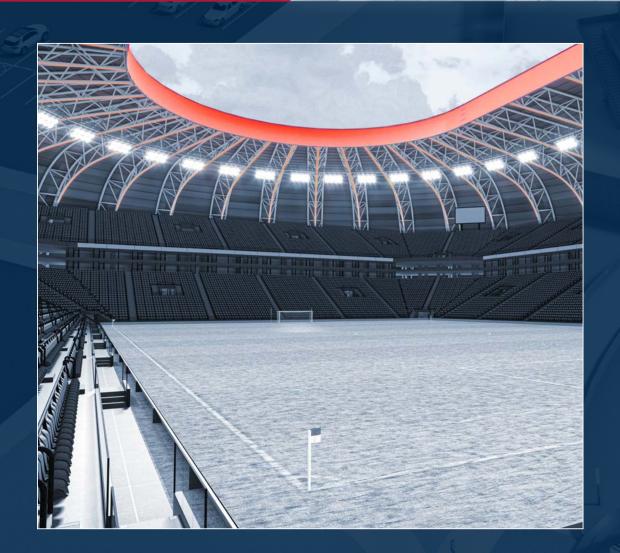


# THORN

FIELD OF PLAY



## FIELD OF PLAY

#### CAPTURING MOMENTS

**EXTRAORDINARY OPTICS -** A major challenge with illuminating any professional football stadium is getting the light levels exactly where they need to be in the most efficient way possible. This is why our designated team of sport optic engineers have ensured that even when a fixture is mounted fully horizontally, our range of intense optics ensure that light spill is minimised, spectator glare is low and the light levels are exactly where they need to be.

#### **KEY CONSIDERATIONS**

URNKEY SOLUTIONS 2

From concept to completion, we're with you. Our team of experts are here to follow a full package solution from on-site surveys, professional grade lighting design all the way to final onsite commissioning.

FLICKER-FREE

Ensuring the driver box is not only easy to install with multiple installation position but delivers up to 1% flicker factor.

3 LASER FOCUSED

Our team of commissioning experts utilise laser technology to ensure that each light point is positioned perfectly to ensure optimal lit effect onto the field of play.

COLOUR RENDITION

Our stadium lighting
solutions offer a
light quality of up
to CRI90+ for best
optim
in class professional
broadcasting
requirements.

Our re
solution
control
control
kinetic
to sup

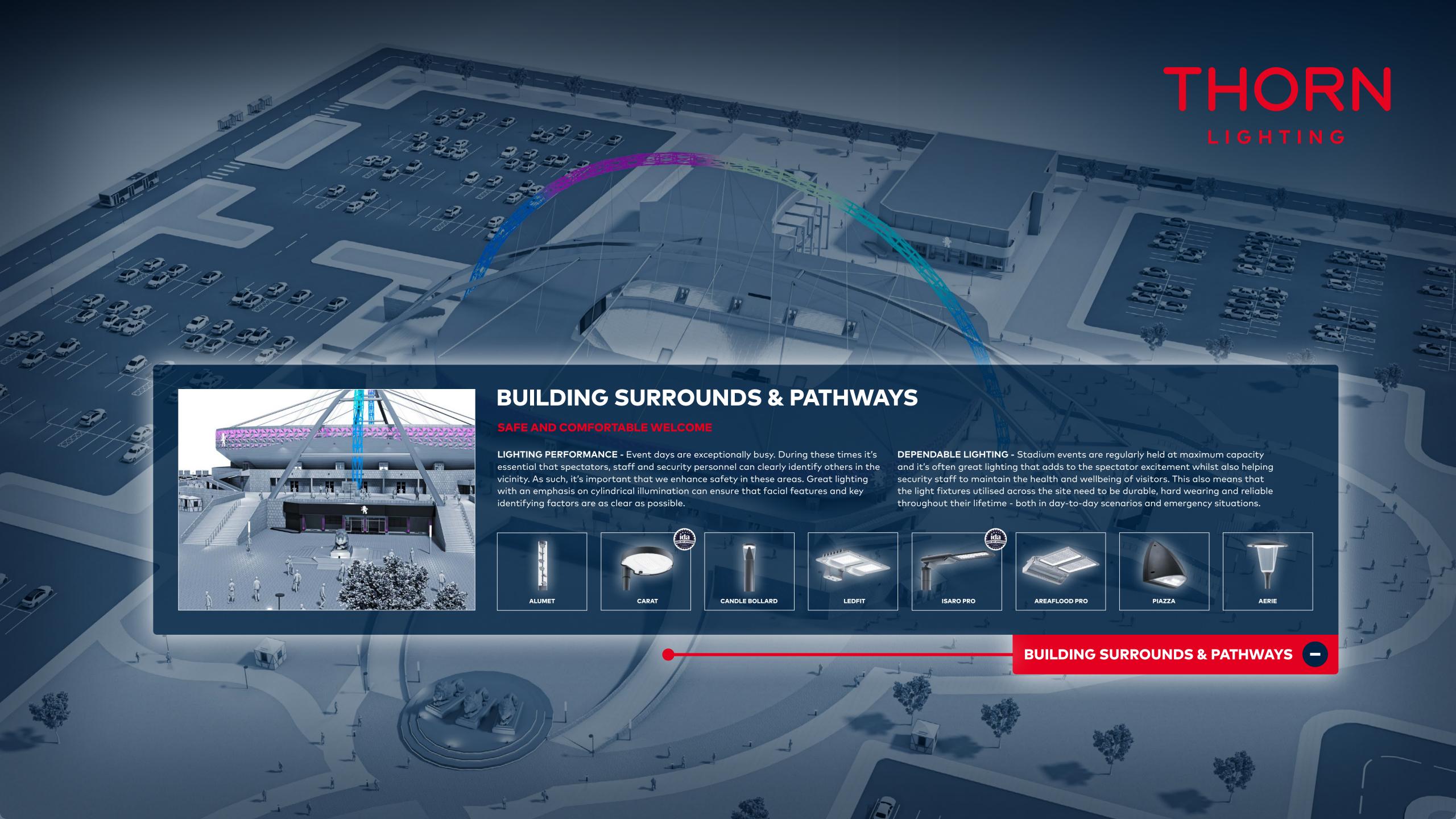
FULL CONTRO

Our range of control solutions enable you to achieve the optimised connectivity on the pitch, with DMX control solutions for kinetic lighting scenes to support sporting and non-sporting events.

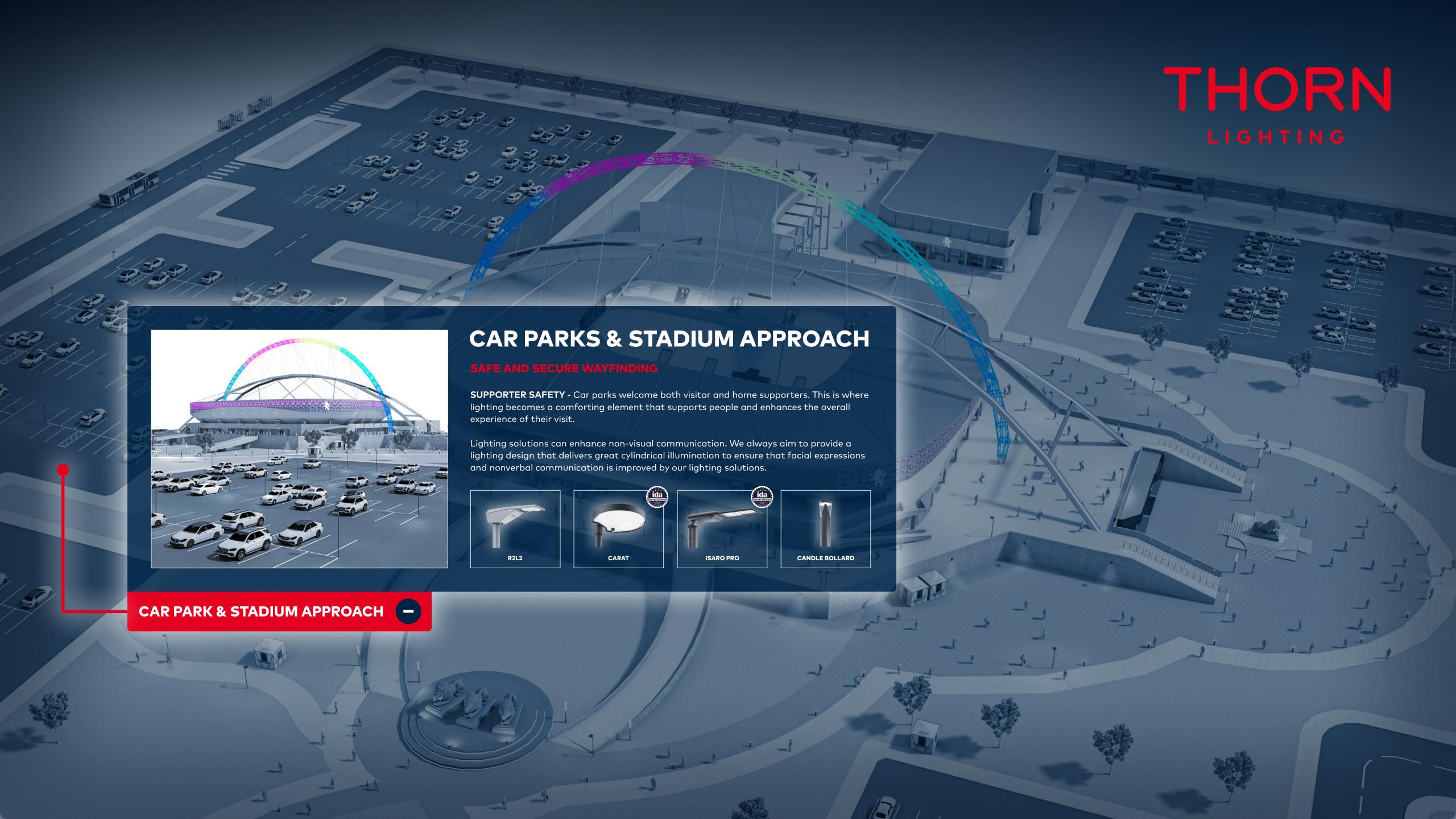


#### TLCI COLOUR CHARTS

The Television Lighting Consistency Index (TLCI) is used to evaluate light quality. It measures the spectral power distribution of a luminaire using a spectroradiometer and analyses its television performance, assigning a colour value on a scale from 0 to 100.















## **EMERGENCY**

### A SAFE WAY OUT

Our Voyager range of emergency luminaires are designed, manufactured and tested to meet the latest European standards regarding safety and electromagnetic compatibility. The purpose of emergency lighting is to allow people to make their way safely out of buildings in the event of an emergency, for example during a black out. Emergency safety lighting and illuminated exit signage ensures able bodied people can safely evacuate a building to a place of safety. In these situations, lighting can save lives and keep people calm.

It goes without saying that emergency lighting must comply with all relevant rules and regulations. But the best emergency lighting goes further, incorporating flexible luminaires with ease of installation and maintenance, long life and energy efficiency. Thorn's 90+ years of experience and reputation for quality are your guarantee of an optimal emergency lighting solution.







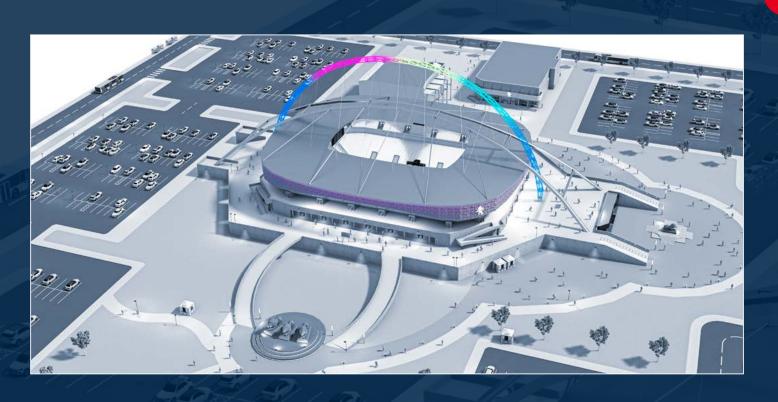


VOYAGER ONE









## **CONTROLS AND CONNECTIVITY**

- **OrbaSens Civic Connect –** Cellular based technology, offering a full suite of data analysis and reporting. Providing sustainability data of carbon reductions, energy savings and in addition, a clear heatmap view of how the space is used - pedestrian footfall and vehicle activity.
- UrbaSens Sentinel Autonomous motion detection and increased energy savings whilst supporting NightTune & Variable Light Distribution.
- NightTune A sustainable solution, adjusting both colour temperature and output to protect the nocturnal environment, wildlife and promoting human wellbeing without compromising safety.

- Variable Light Distribution Taking building surround illumination to the next level by integrating different optics within the same luminaire to ensure pedestrians, cycle paths and roadways are visually identifiable and correctly lit.
- BasicDim Even though there are significant energy savings to be had by upgrading from old lighting technology to more energy efficient LED solutions - there's an additional 60% decrease in energy consumption by implementing intelligent controls. When those controls are wireless, then you can connect all light points via a mesh network, which means it's possible to use existing cabling infrastructure and still benefit from the energy savings that come from ensuring that light points dim down when pedestrian and automotive traffic levels are low.



