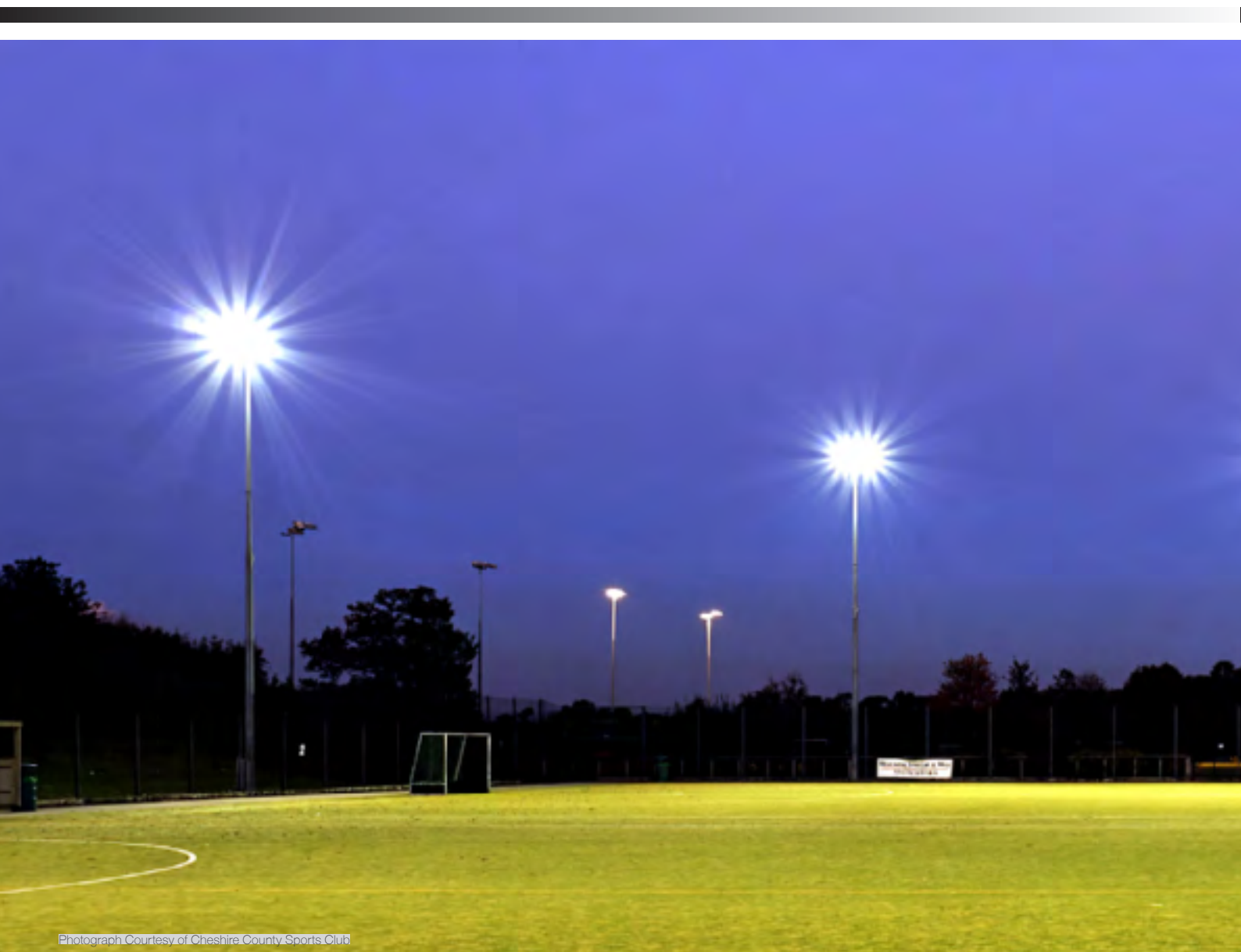


Sports Lighting

Volume 3

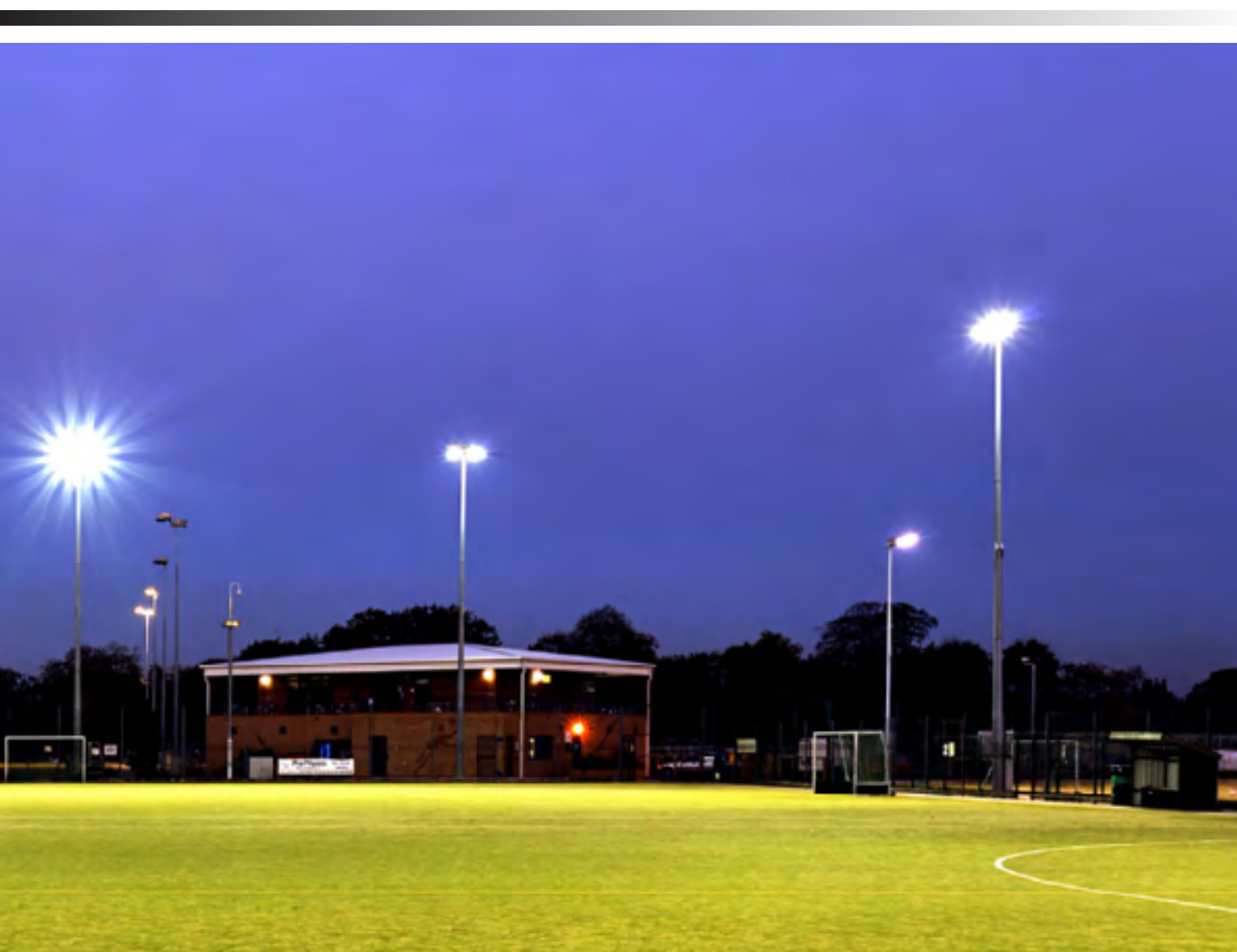




Photograph Courtesy of Cheshire County Sports Club

Our Sports Lighting Package Includes:

- A dedicated project manager providing a single point of contact
- A complimentary lighting design service
- Complete installation package including ground works, cabling, reinstatement and a final test and commissioning of the system
- Highly competitively priced packages assuring quality as well as value for money
- Tailored maintenance packages delivering the aftercare required to ensure the longevity and performance of the installation
- Training for in house maintenance is also available
- All our products are designed and manufactured in our factories in the UK



Design Services:

Our specialist technical design team will work with you to create bespoke designs tailored to your project. Our efficient reflector systems avoid obtrusive light on the surrounding area.

- Lighting Design - for all sports and every level of play
- Electrical Design
- Structural Design
- Environmental Design - to reduce obtrusive light, carbon emissions and energy costs.

U.K. Manufacturer:

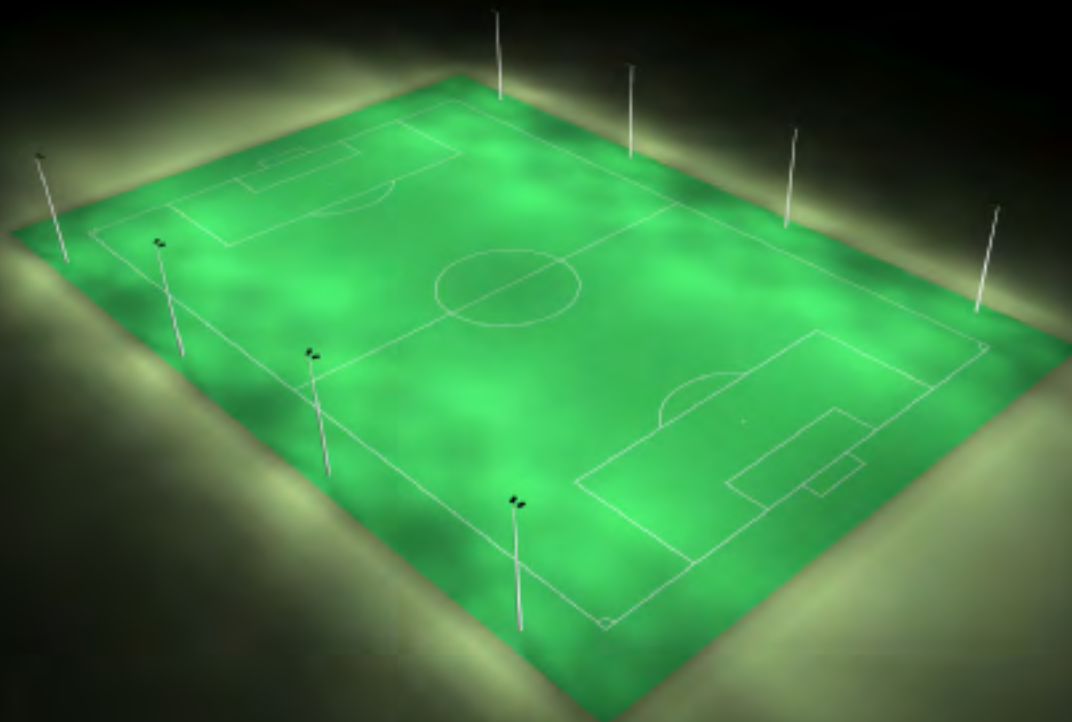
Established in 1923 our family company has three factories in the U.K.; Hertfordshire, Gloucestershire and Yorkshire. Having total control over the manufacturing process enables us to be uniquely flexible to your requirements.

- Hertfordshire - Floodlights & rams for hinged columns
- Gloucestershire - Static tubular steel columns, specialist design steel columns and associated bracketry
- Yorkshire - High Masts, folded steel, mid and base hinged columns

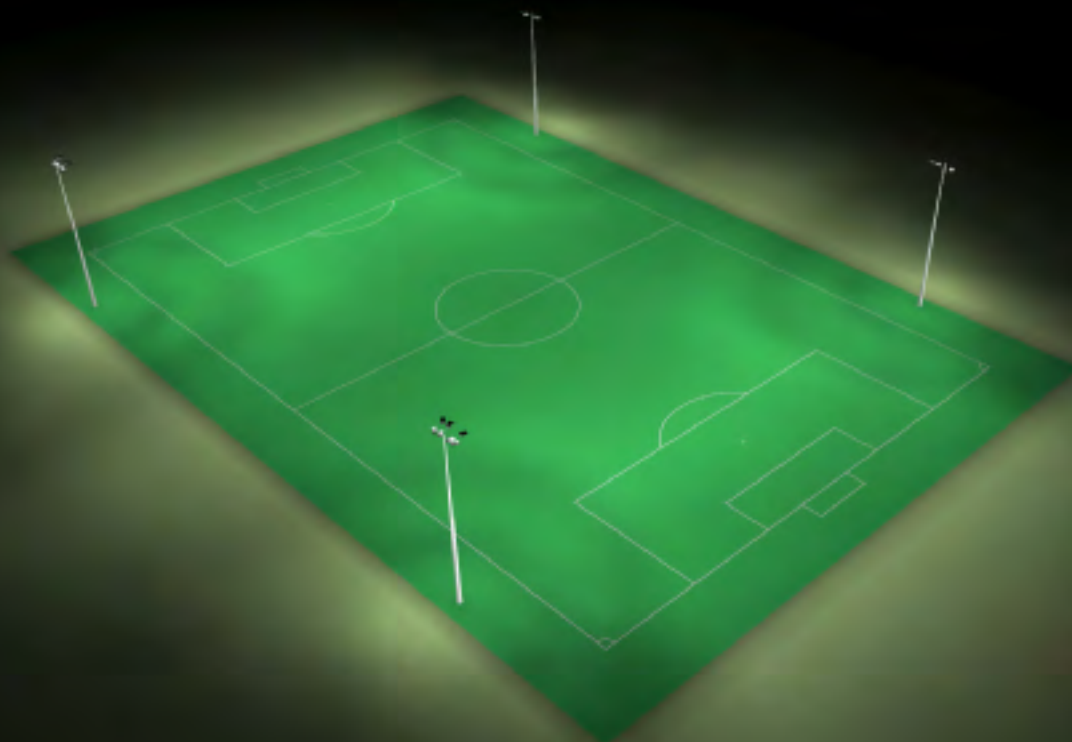
Installation

Our fully qualified Contract Services Division will be responsible for your sports lighting project from start to finish ensuring that you will only have one port of call for any of your lighting queries. Package includes;

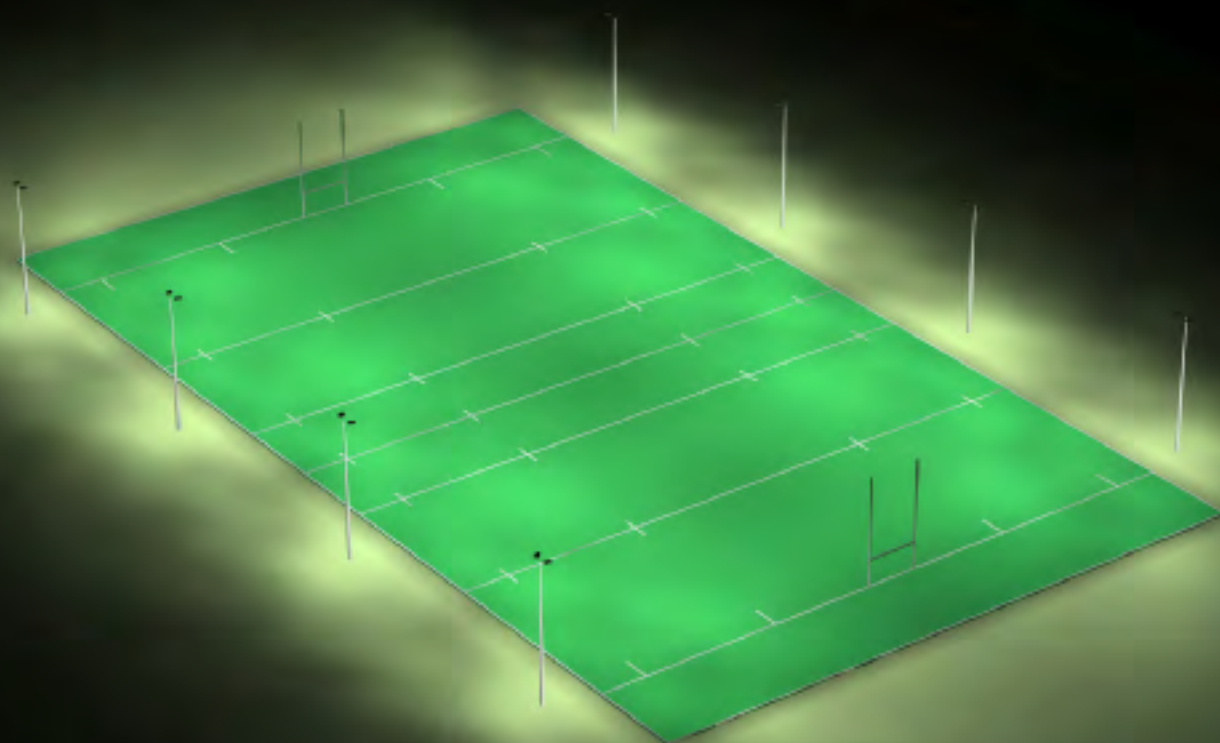
- Trenching, cabling, foundations and reinstatement of surfaces including grass reseeding
- Crane operation, health & safety, and welfare of site staff and lux level testing of installation
- Inspection and assessment of existing lighting schemes and new installations



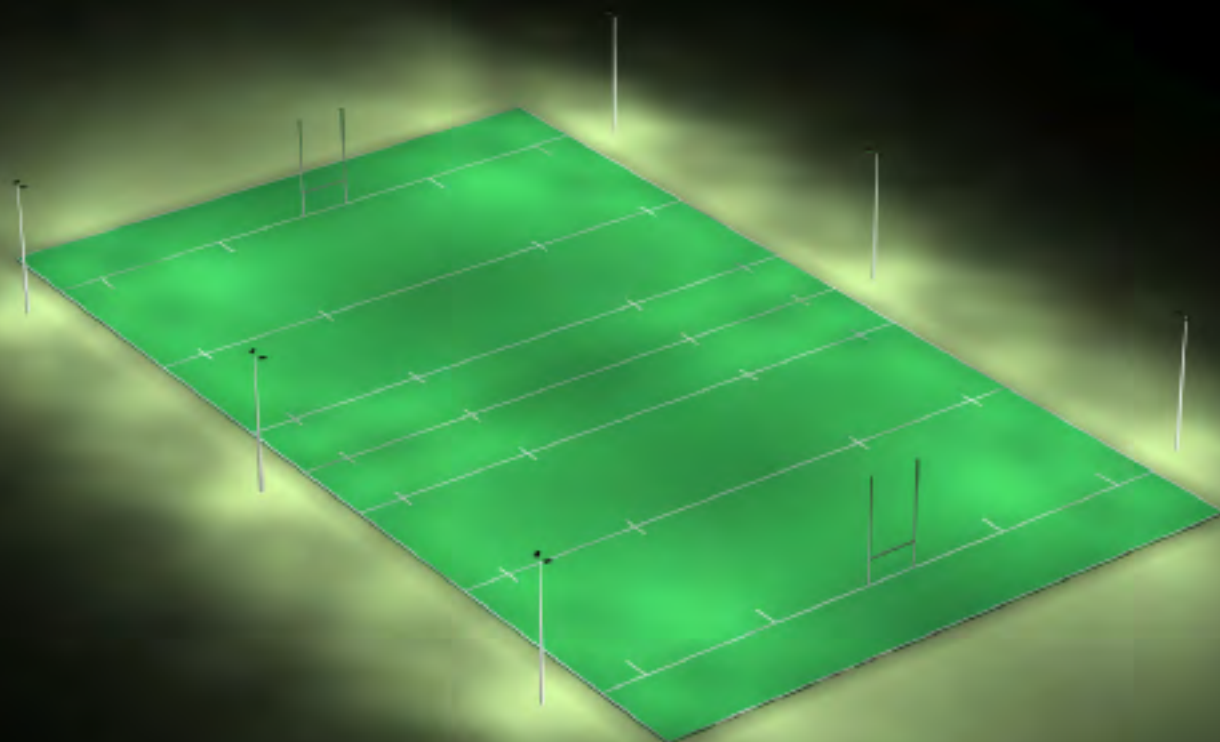
Football CIBSE Class II – Average Maintained Illuminance 200 Lux
8 no 15m Masts
Floodlight Equipment – 16 no FL550MK2 2000W MHN-LA



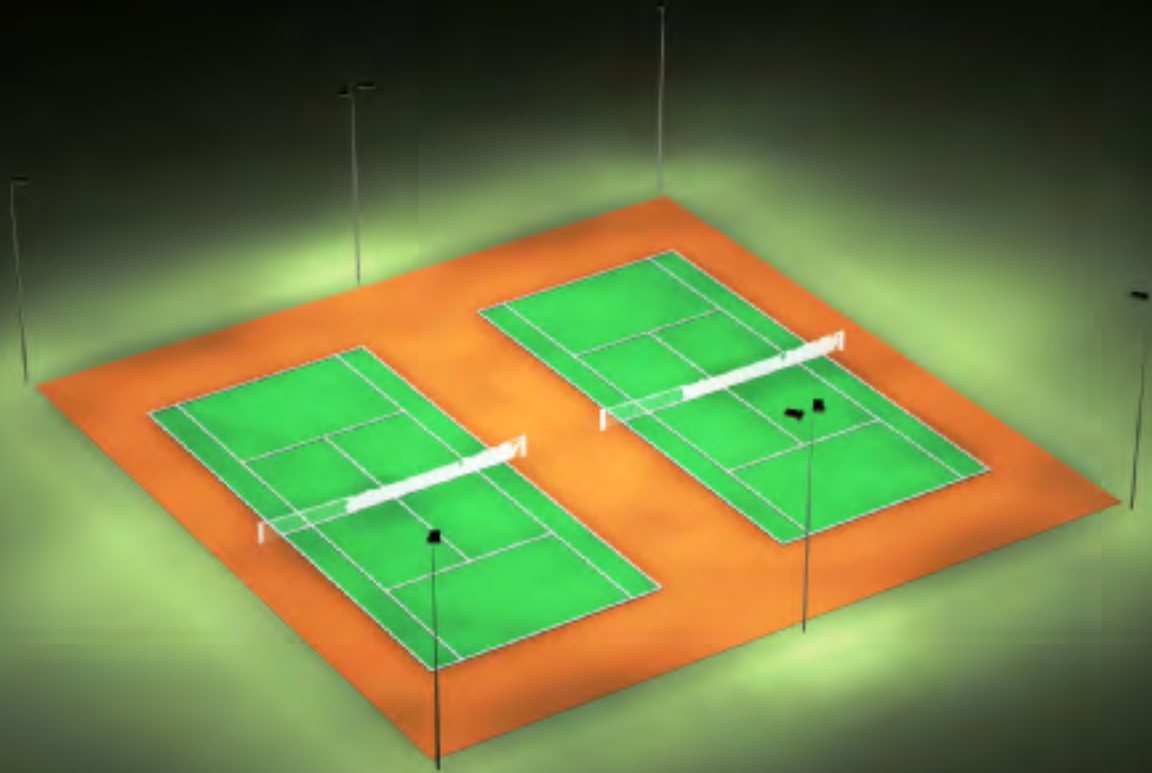
Football Semi Professional Standard – Average Maintained Illuminance 350 Lux
4 no 20m Masts
Floodlight Equipment – 28 no FL550MK2 2000W MHN-LA



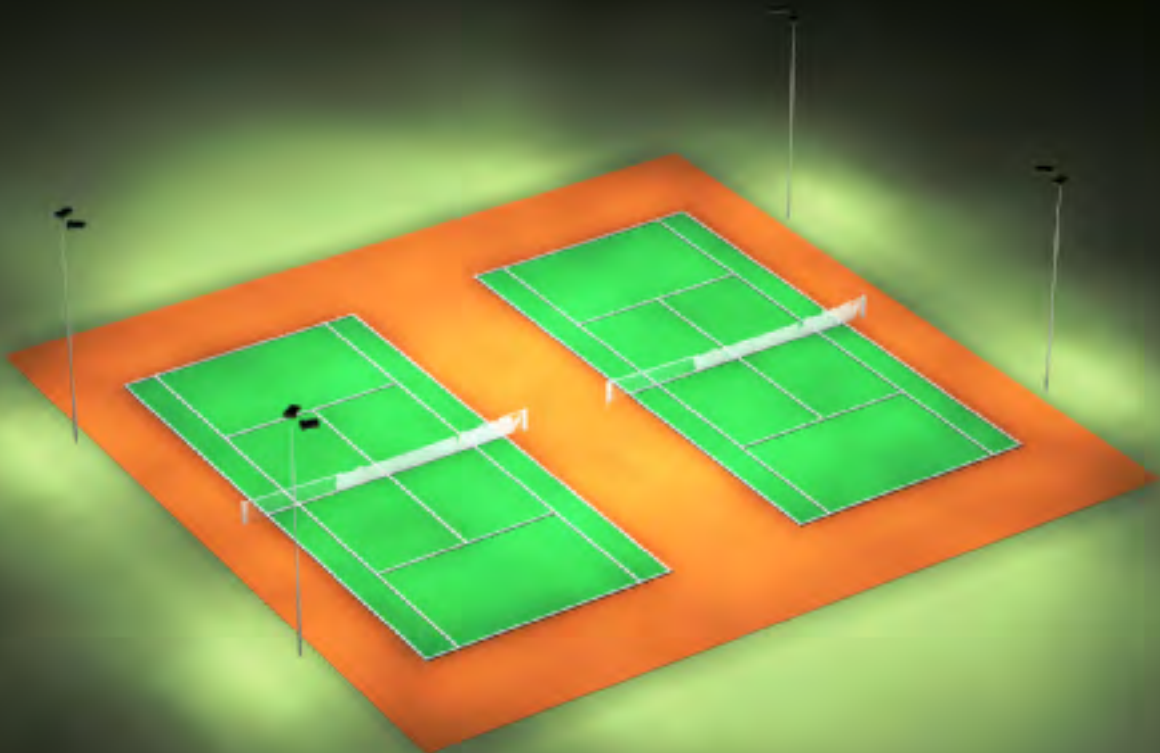
Rugby Union CIBSE Class II – Average Maintained Illuminance 200 Lux
 8 no 15m Masts
 Floodlight Equipment – 16 no FL550MK2 2000W MHN-LA



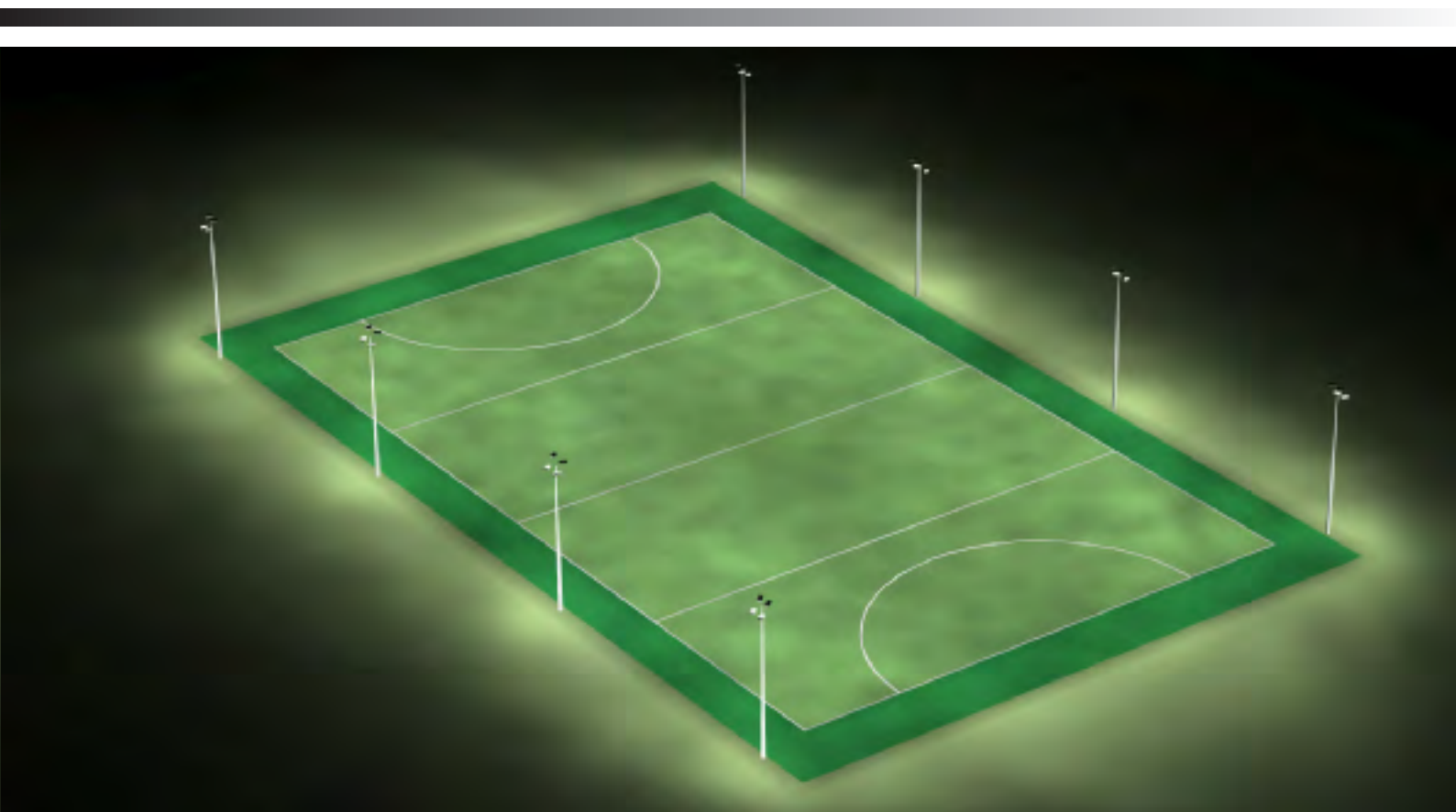
Rugby Union CIBSE Class III – Average Maintained Illuminance 100 Lux
 6 no 15m Masts
 Floodlight Equipment – 12 no FL550MK2 2000W MHN-LA



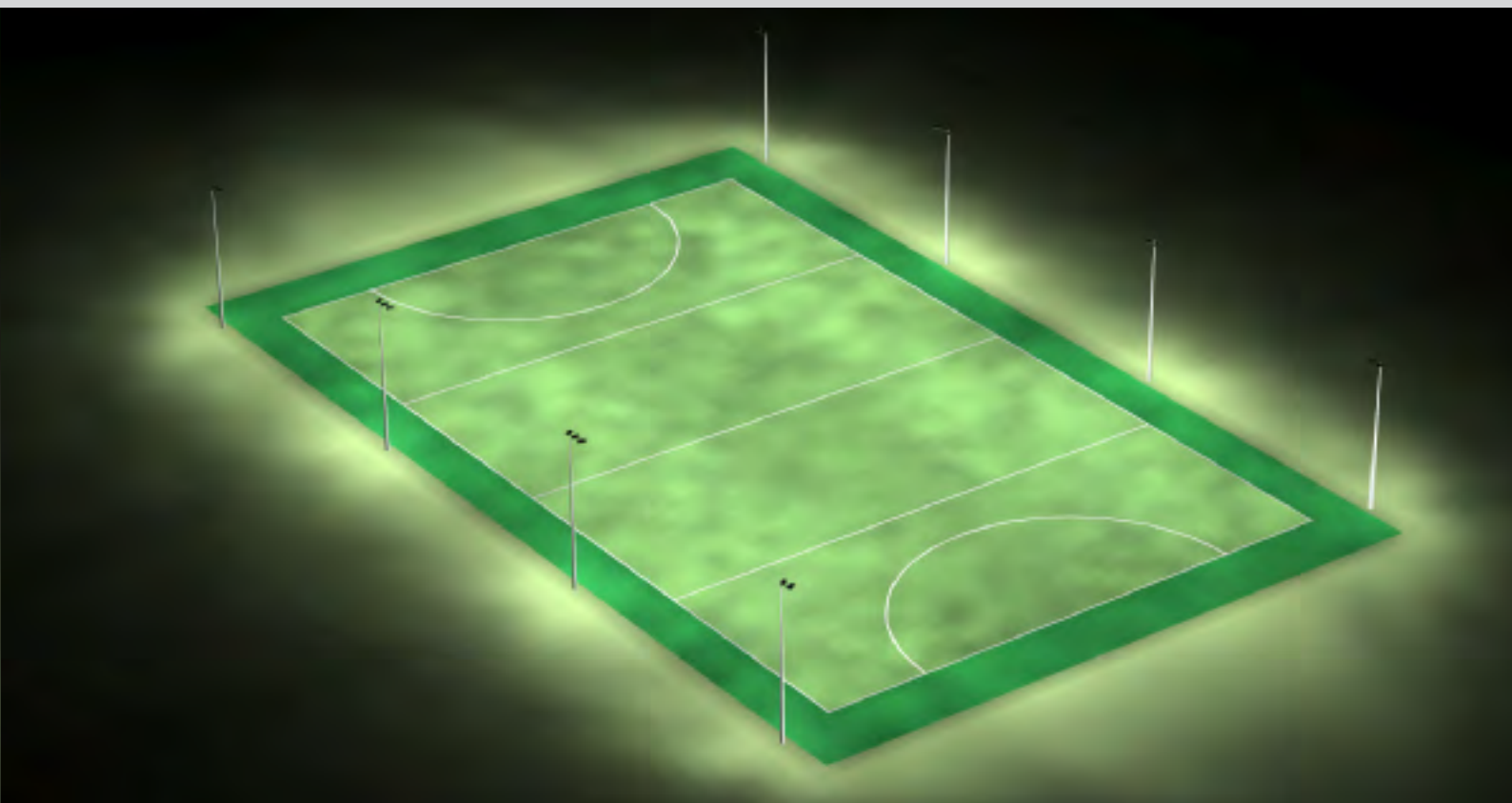
Tennis Twin Court CIBSE Class I – Average Maintained Illuminance 500 Lux
 6 no 10m Masts
 Floodlight Equipment – 8 no FL550MK2 2000W MHN-LA



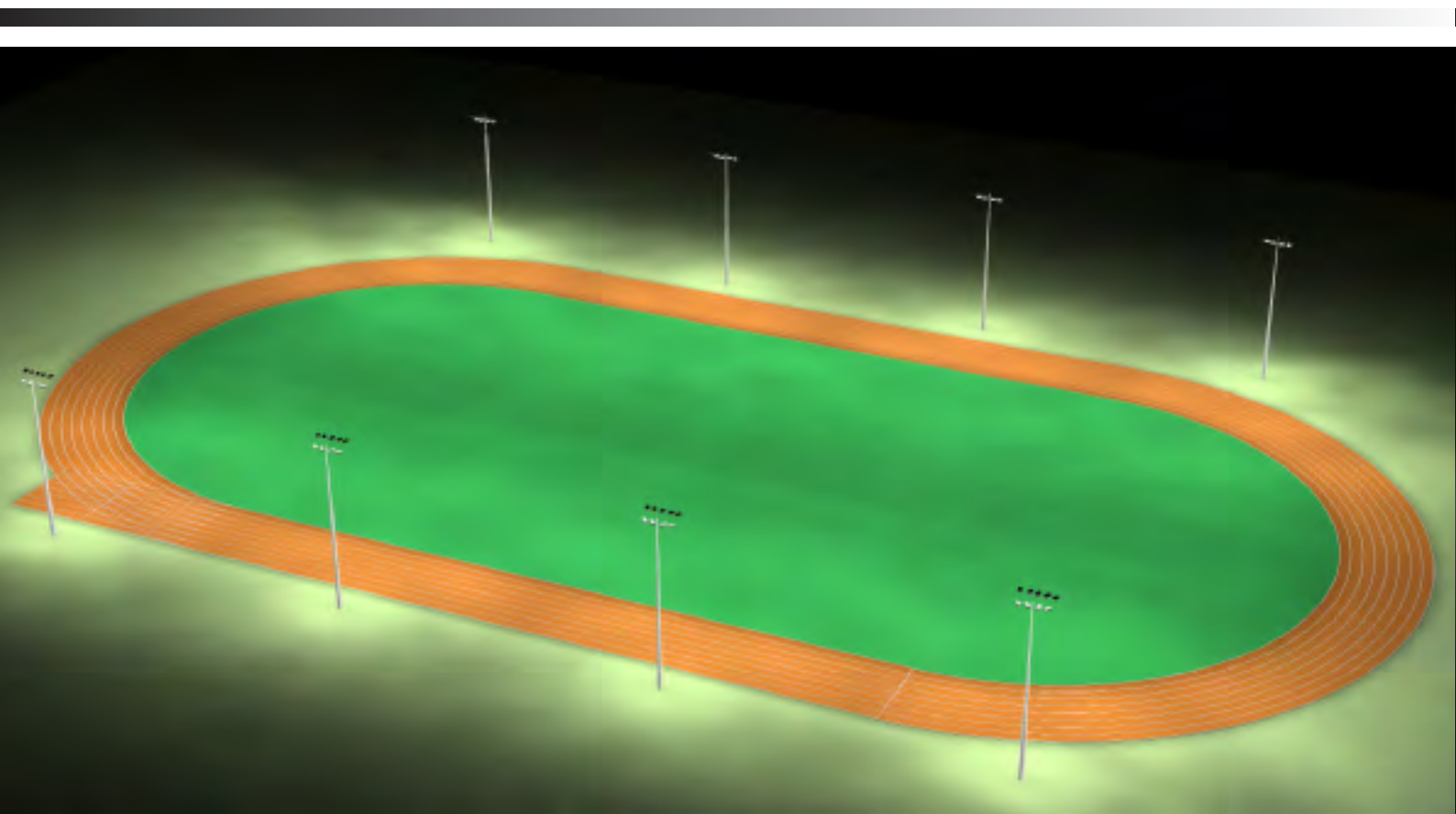
Tennis Twin Court CIBSE Class II – Average Maintained Illuminance 300 Lux
 4 no 10m Masts
 Floodlight Equipment – 8 no FL550MK2 1000W MHN-LA



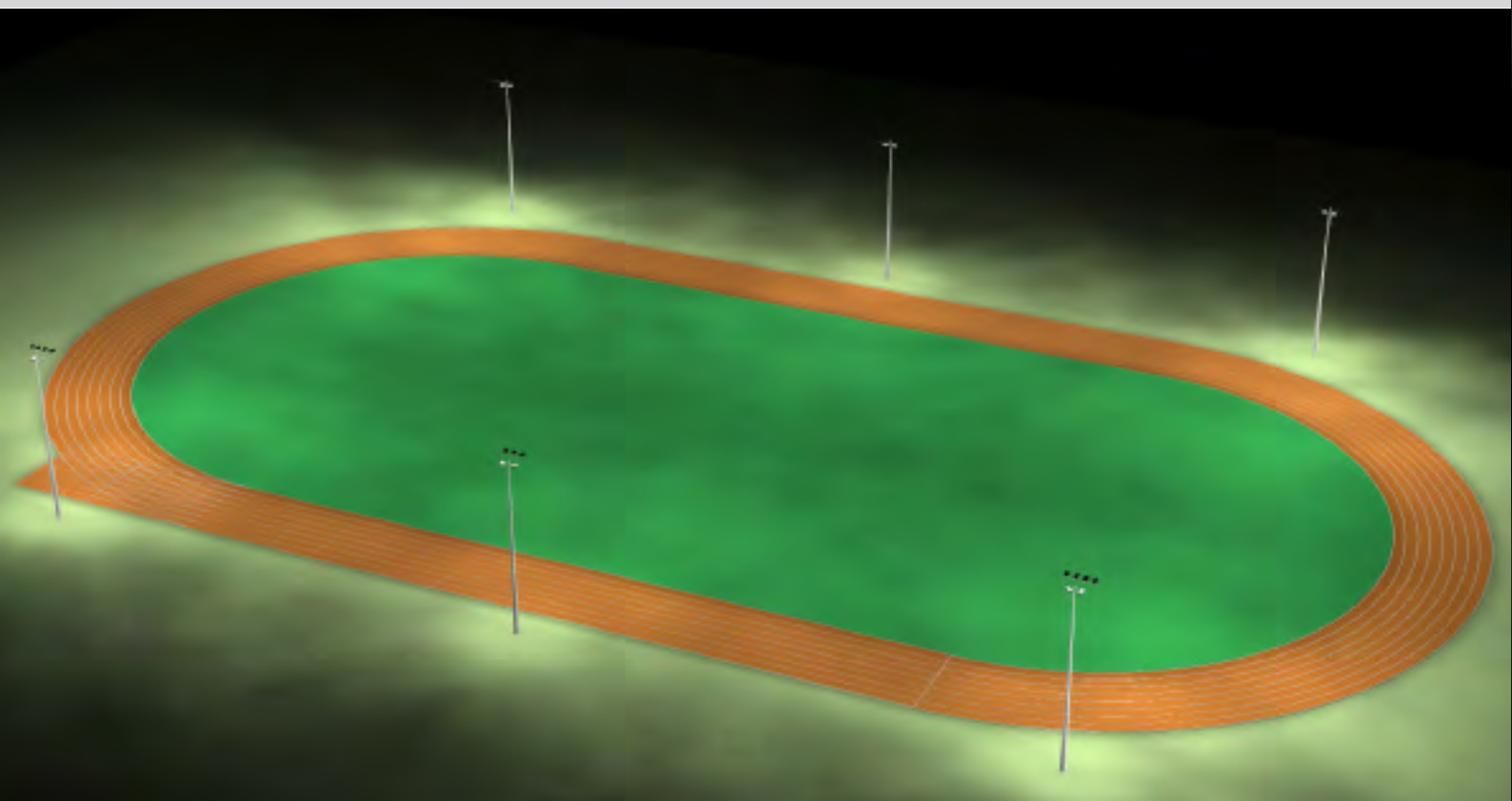
Hockey CIBSE Class I - Average Maintained Illuminance 500 Lux
8 no 15m Masts
Floodlight Equipment – 32 no FL550MK2 2000W MHN-LA



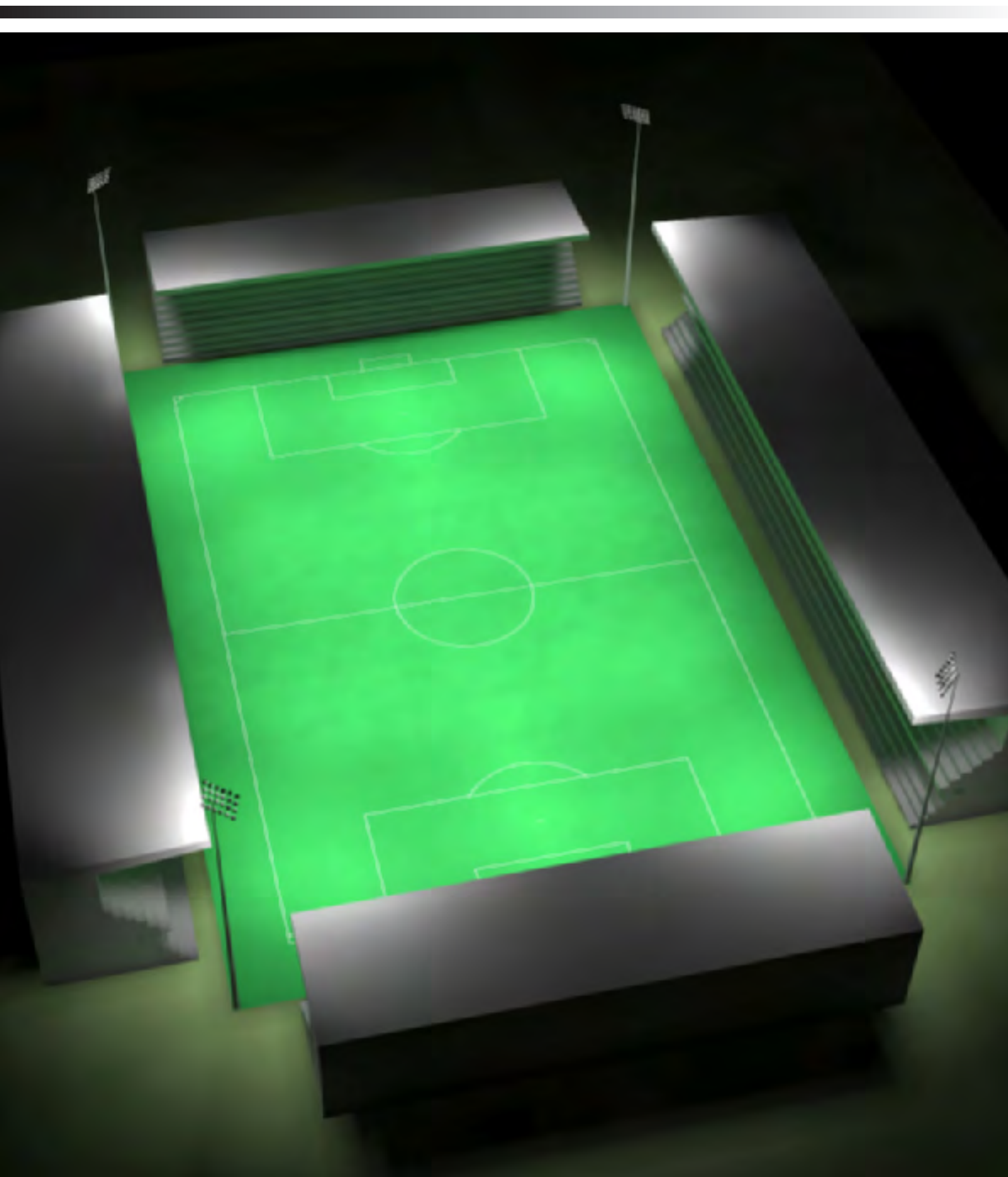
Hockey CIBSE Class II - Average Maintained Illuminance 350 Lux
8 no 15m Masts
Floodlight Equipment – 20 no FL550MK2 2000W MHN-LA



Athletics CIBSE Class I – Average Maintained Illuminance 500 Lux
8 no 20m Masts
Floodlight Equipment – 72 no FL550MK2 2000W MHN-LA



Athletics CIBSE Class II – Average Maintained Illuminance 200 Lux
6 no 18m Masts
Floodlight Equipment – 34 no FL550MK2 2000W MHN-LA



Major Stadia CTV Class B – Average Maintained Illuminance 1200 Lux
4 no 35m Masts
Floodlight Equipment – 96 no FL444 2000W MHN-SB Pro











Contract Service Division

With over 30 years practical experience and thousands of projects installed by our team, our Contract Services Division are the market leaders in the design, supply, installation and maintenance of lighting for all types of sports facilities. Operating out of two factories in Yorkshire and Hertfordshire we can manage your projects in the U.K., Europe and worldwide working closely with you throughout.

VALUE FOR MONEY Our fully qualified work force is in house, we do not contract out any design, manufacture or installation. We are therefore able to offer the very best value for money for your new sports lighting scheme, keeping full control throughout the process.

TOTAL SOLUTION We can offer a turnkey package from initial design through to final commissioning. This includes project management, ground works, cabling, reinstatement works and a final test and commission of the system. We have the experience of working on every type of sports scheme all over the world.

MAINTENANCE Regular maintenance of your new sports lighting scheme is essential to ensure that your lighting installation is working to its optimum ability. By implementing a structured maintenance programme we can ensure compliance with all regulations and enhance the life of your equipment.

QUALITY This is always at the forefront of our minds; years of development, investment and technological innovations have enabled us to provide you with the best mast solutions available. All equipment is designed and manufactured in the U.K. within a quality management system that complies with ISO 9001:2008.



NICEIC

Under licence from the Electrical Safety Council, the NICEIC acts as the electrical contracting industry's independent voluntary regulatory body throughout the U.K.

It maintains and publishes registers of electrical contractors who have been assessed against scheme requirements.

As approved NICEIC contractors you can have the upmost confidence that CU Phosco will complete your installation to the very highest standard.



SAPCA

The Sports and Play Construction Association, SAPCA, is the U.K. trade association for the sports facility construction industry. SAPCA represents specialist constructors, manufacturers and suppliers of sports facilities. SAPCA plays an important role in the promotion of high standards for sports facilities.

As CU Phosco is an active member of SAPCA, we are committed to ensuring high standards are delivered throughout the industry.



LUMICOM

Waste Electrical and Electronic Equipment (WEEE) regulations require business users, manufacturers and retailers of electrical and electronic equipment (EEE) to be responsible for treatment and recycling of their products at the end of their life.

In compliance with the above and our environmental commitment, Phosco are members of Lumicom to ensure that all unwanted materials are disposed of in the correct manner and recycled where applicable.





Your Mast Options

Site specific details are fundamental to deciding which mast type is appropriate for your project. Consideration should be given to site access, ease of maintenance, product capabilities and maximum loadings as well as the factors below.

VALUE FOR MONEY Our wide range of masts enable us to offer you a scheme tailored to your individual budget and not a "one size fits all" solution.

EASE OF USE Our sports lighting mast systems are designed with the end user in mind; quick and easy to use they offer long term savings in maintenance costs.

SUSTAINABILITY All our masts are manufactured in the U.K. ensuring their carbon footprint is kept to a minimum. In addition to this our masts have a design life of at least 25 years and are fully recyclable.

QUALITY Our masts and ancillary equipment are designed and manufactured in the U.K. within a quality management system that complies with ISO 9001:2008 and also environmental standard ISO 140001.





Hydraulic Base Hinged Mast

Base hinged masts are designed with the user in mind guaranteeing that maintenance of the mast is carried out both quickly and easily via an external hydraulic ram.

- Available from 10m - 20m in height
- Maintenance is performed at ground level
- Hydraulic raise and lower tool provided for safe raising and lowering of mast

Mid Hinged Mast

Mid hinged masts are particularly useful in confined areas such as smaller pitches and MUGA's.

- Available from 4m - 18m in height.
- Maintenance is performed at ground level
- Counterbalanced to ensure safe raising and lowering with minimal effort. No external tool required

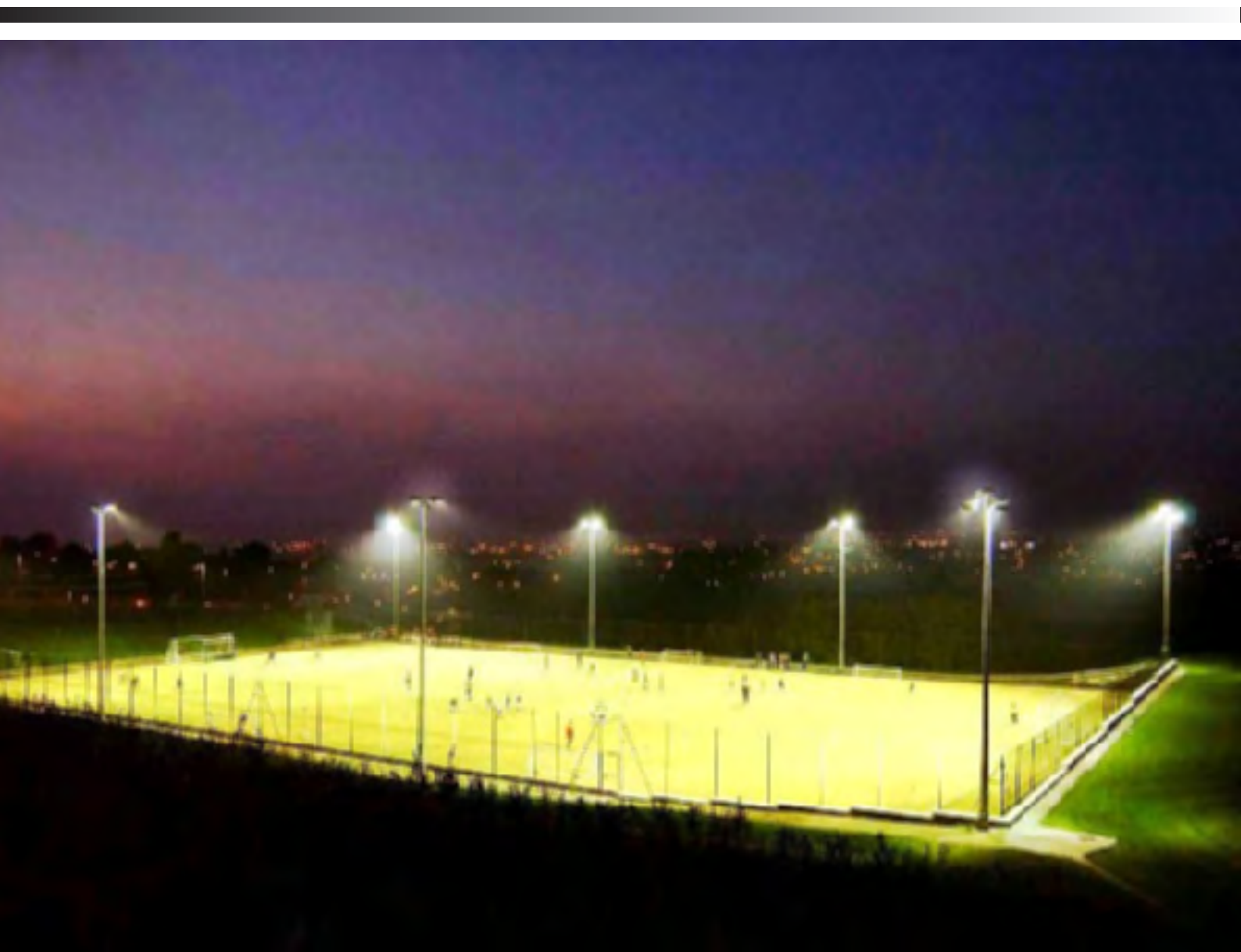
Fixed Masts

High mast - Stadia specific masts

- Available from 20m - 60m in height
- Complete with either a fixed head or a raising and lowering system

Floodpoles

- Available from 8m - 20m in height
- A slim neat design providing you with a low cost solution



Your Floodlight Options

Our specialist lighting designers will advise which floodlights are appropriate for your sporting facility:

VALUE FOR MONEY As CU Phosco do not contract out for the design, manufacture or installation of our floodlights we are able to offer you high quality lighting options at great value for money for your new scheme.

PERFORMANCE Our floodlights are designed using the latest computer models and provide the highest performance for Sports Lighting for any type of application. Utilising state of the art lamps provides extended lamp life, thus reducing lamp replacement and maintenance requirements.

SUSTAINABILITY All our masts are manufactured in the U.K. ensuring their Carbon Footprint is kept to a minimum. In addition to this our floodlights are all designed with the environment in mind, and the FL500 and FL550 are full cut off floodlights which emit no upward light.

QUALITY All our floodlights are designed to IP ratings of 65 ensuring that they are resistant to the effects of dust, water and other common detritus thus extending the life of the luminaires dramatically.

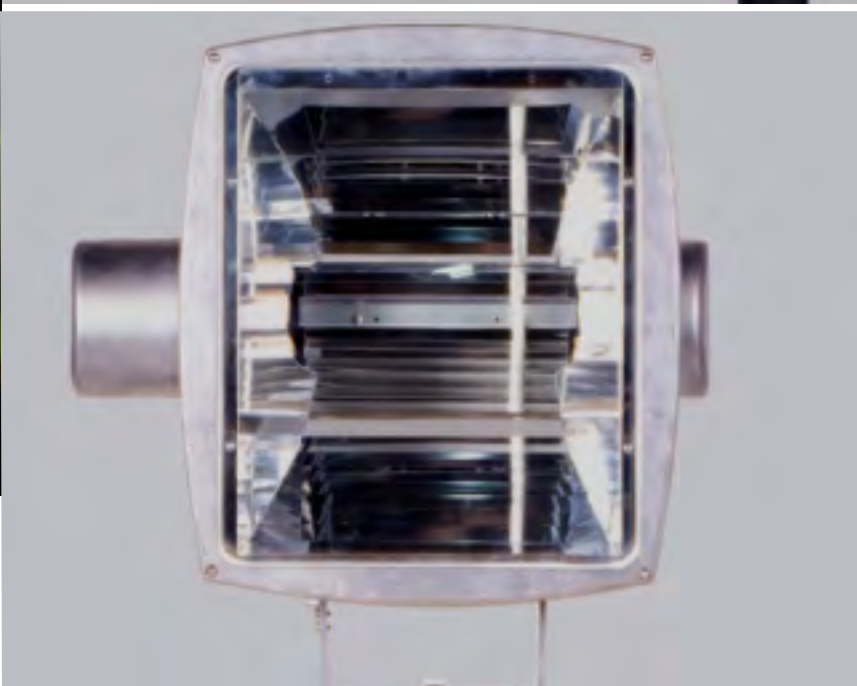




FL550 Floodlight

A lightweight full cut-off floodlight to provide highly efficient illumination with no upward light on larger area with multiple lamp standard configuration. The distribution is asymmetric in the vertical plane

- LM6 marine grade die-cast aluminium body
- Glass diffuser hinged from rear of floodlight may be rotated for improved access in mid-hinge or base hinge masts installations
- Highly specular aluminium reflectors
- For use with lamps of 1kW to 2kW MHNLA all with remote gear
- IP65



FL444 Floodlight

The FL444 in three alternative versions is designed to provide highly efficient illumination of large areas such as stadiums. The distribution is asymmetric in the vertical plane. A range of baffles and lamps are available for light control.

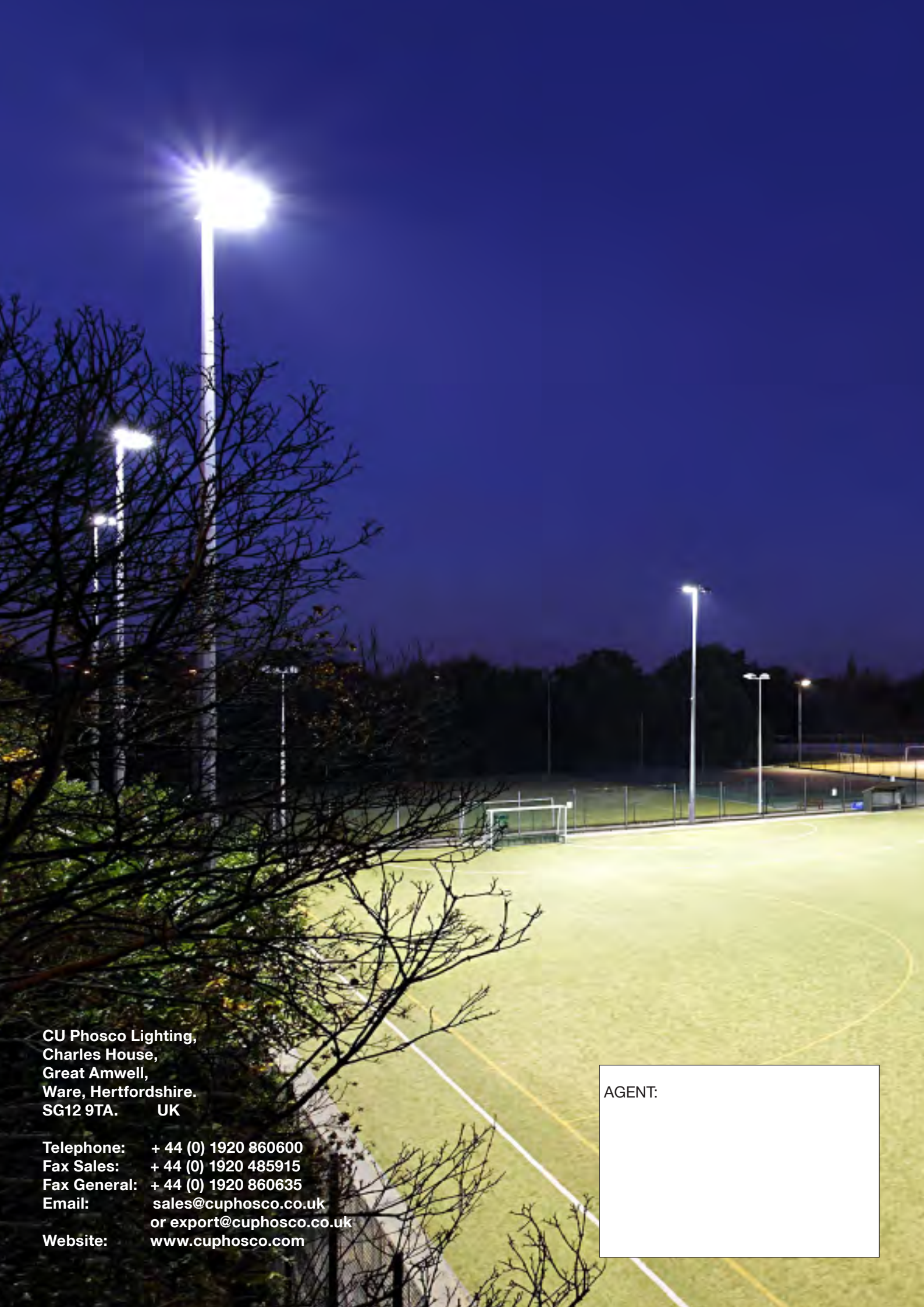
- Recyclable die-cast aluminium body
- Heat resistant toughened glass
- Asymmetric options have an integral baffle to control upward spread of light
- Rear access for easy maintenance
- For use with lamps of 1kW to 2kW MHNLA, all with remote control gear
- Power cut-off safety switch fitted to 2kW lamp version
- IP65



FL500 Floodlight

A unique full cut-off floodlight with an internally angled flat glass and a main beam at 65 degrees, so no external light control is required. This enables it to light a larger area than equivalent low light pollution floodlights, without unsightly cowls.

- Recyclable die-cast aluminium body
- Heat resistant toughened glass
- Integral gear for use with lamps from 100W to 600W and 1kW MHNLA with remote control gear
- IP65 sealed lamp and gear compartment with a activated charcoal filter



**CU Phosco Lighting,
Charles House,
Great Amwell,
Ware, Hertfordshire.
SG12 9TA. UK**

Telephone: + 44 (0) 1920 860600
Fax Sales: + 44 (0) 1920 485915
Fax General: + 44 (0) 1920 860635
Email: sales@cuphosco.co.uk
or export@cuphosco.co.uk
Website: www.cuphosco.com

AGENT: