



Kingfisher SPORT

A division of the LUCEC® group



LED Lighting Installation Hayes Hawks BMX Race Club



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About Us

Kingfisher Lighting is a division of Luceco UK Limited. It has over 35 years' experience in the design of lighting schemes and the manufacturer, assembly, supply, distribution, installation and maintenance of lighting and associated equipment.

A wide range of clients across the UK and Ireland rely on our proven experience and expertise including wholesalers, contractors, specifiers, designers, local authorities and end-users. The applications for our lighting products include sports, high mast, flood lighting, car parks, distributions and warehousing, road and street lighting, urban landscapes and transport.

Our expert teams successfully supply highly efficient LED systems and upgrades to new and established sites with dedicated project management to guide our clients from conception to completion. Our full end-to-end solutions include all the necessary requirements to supply civil, electrical and column installation, as well as NDT, structural and lux testing, lighting impact design and reports and ground testing.

Our Midlands-based facility holds an average of £3.5M stock and a dedicated manufacturing plant, along with key supplier relationships, means we can offer a quick turnaround of products and components necessary to complete projects on schedule.

By selecting a lighting scheme designed and supplied by Kingfisher Lighting, customers can be assured of:

- Continual high-performance to specified lighting levels
- The reduction in energy usage, facilitating towards sustainability goals
- High levels of service and support from an established leading technical partner

Our dedication to driving change through innovative/sustainable lighting solutions is at the heart of company culture, as well as product design philosophy. The benefits of Kingfisher Lighting's LED fittings include:

- Reduced carbon emissions/energy costs, by upgrading to LED fittings
- Instant light with no warmup time and free of any visible flicker, preventing discomfort
- Safe lighting with minimal UV light/heat emissions
- Long life/durability, making LEDs one of the most stable light sources available

Through the provision of its professional management and coordinated program, Kingfisher Lighting, along with its technical partners, deliver world-class solutions that exceed customer expectations.



Inhouse Resource and Technical Expertise

Kingfisher Lighting can confirm that it designs and manufactures its own lighting products. All fabrication, electrical assembly and testing is completed inhouse by Kingfisher Lighting at its facility in Nottinghamshire. Products include flood lighting, decorative bollards, wall mounted exterior fittings and columns. The applications for our lighting products include sports, high mast, flood lighting, car parks, distributions and warehousing, road and street lighting, urban landscapes and transport.

With over 35 years' experience, Kingfisher Lighting can confirm that it has the resource and technical expertise in order to meet/exceed the requirements of its customers. Please see below the qualifications, experience and competencies of our staff:

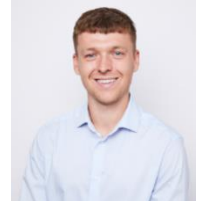
Lee Hayter, Head of Sports and High Mast - Over 9 years' experience in the sports lighting industry, specialising in providing comprehensive full turnkey lighting solutions and managing key client relationships for Kingfisher Lighting. He has expert knowledge of sports lighting guidelines/legislation and is experienced in overseeing every phase of complex lighting projects, from design/supply to planning/installation and ongoing maintenance.



Patrick Daly, Business Development Manager - BSc in Sports and Exercise Science and a Master's in Sports Management. Over 11 years' experience in providing sports lighting solutions. He has expert knowledge of sports lighting guidelines/legislation and works closely with England Hockey having delivered webinars and site visits on their behalf.



Tom Ray, Installation and Project Manager - Qualifications in engineering/operational management, PRINCE2 and electrical installations. Over 5 years' experience delivering high-complexity projects and sports and high mast lighting installations, including Premier League and UEFA Category A stadia. Recognised as a SAPCA Award finalist in 2024.



Lighting Designers - Experienced in producing a range of original designs, from simple plot calculations to full 3D visualisations for a wide range of customers and applications, including, but not limited to sports, flood lighting, high mast, car parks, ports and airports, distributions and warehousing, road and street lighting, urban landscapes and transport. Qualifications include ILP External Lighting Diploma (Module 1 and 2) and Beng (Hons) Computer Aided Engineering and Design. 2 x dedicated Lighting Designer's specialising in sports and high mast with over 41 years' experience between them.

Installation Engineers - Experienced in sports and high mast installations/retrofits. Qualifications include 18th Edition, IPAF Operator and all necessary/relevant H&S training. They also hold relevant CSCS/ECS cards and are DBS checked.



Pricing Proposal

- 15m mast option - £48,495.00 + VAT
- 12m mast option - £48,495.00 + VAT

Optional extras:

- Luminaires on shipping containers for safe egress - £1,785.00 + VAT
- Lighting "queuing area" 20m x 20m area - £2,430.00 + VAT
- Biennial maintenance (once every other year) - £2,100.00 + VAT (per visit)

Please note:

- No ground protection has been allowed for with our quote
- We assume ground conditions are suitable for a standard foundation base
- We assume power can be taken from the existing feeder pillar on site and meets current British Standards

Installation Scope of Works

Our installation scope of works includes the following:

- Installation
 - Setting up of site compound and lay down area for masts
 - Laying/pulling and connecting cable
 - Erecting columns onto prepared foundations
 - Fit and wire floodlights
 - Fit and wire protection gear
 - Foundations construction
 - Trenching back to existing feeder pillar
- Supply and install control switch located in adjacent container
- Test and commission the system

Technical Details

Kingfisher Lighting can confirm that we design and manufacture our own exterior lighting products. All fabrication, electrical assembly and testing is completed in-house by Kingfisher Lighting at its facility in Nottinghamshire. Products include flood lighting, decorative bollards, wall mounted exterior fittings and columns.

Specific to Hayes Hawks BMX Race Club, Kingfisher Lighting proposes two designs, a 12m option and a 15m option:

12m Option

Our 12m mast option includes 8 raise and lower masts with brackets and 16 AMNIS Match 665W LED fittings.

The 12m option meets the following horizontal illuminance levels:

Label	CalcType	Units	Avg	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	Meter Type
BMX Track	Illuminance	Lux	230.37	405	141	0.61	0.35	Horizontal

The full design, including a render image, can be seen at 'KFL Response - 53690 Rev B (12m Option)'.
'

The 12m option has a total wattage of 10.64kW.



15m Option

Our 15m mast option includes 6 raise and lower masts with brackets and 12 AMNIS Flood 1300W LED fittings.

The 15m option meets the following horizontal illuminance levels:

Label	CalcType	Units	Avg	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	Meter Type
BMX Track	Illuminance	Lux	295.56	480	181	0.61	0.38	Horizontal

The full design, including a render image, can be seen at 'KFL Response - 53690 Rev B (15m Option)'.

The 15m option has a total wattage of 15.60kW.

Nighttime Renders

As requested, we have included within the lighting designs a simulation of the lights when on at night, which gives an indication of how the lighting scheme might look from above relative to the surrounding area. Please note, it is limited in that we have taken the 2D background from Google Earth, which has a darker coloured surface on the bends and is why it doesn't appear as light when compared to the rest of the track.

Light Spill and Glare

To ensure there is no glare towards the road and residential properties, in line with the guidelines used by the planning office, we have used our AMNIS sports fitting with excellent light control and appropriate mast height to ensure the fittings are pointed "down" (horizontal to the ground). We have included these calculations on the design and can be used as part of the planning application.

Columns

Please see attached at '12m Mid-Hinged Mast' and 'Standard 15m Raise and Lower Mast' the technical drawing for the proposed columns.

Warranty Terms

As standard, Kingfisher Lighting offers the following warranties:

- 10-year warranty on the tracking lighting
- 5-year warranty on the amenity lighting
- 2-year onsite warranty - Kingfisher contractor only
- Optional 10-year onsite warranty, priced upon request

Kingfisher Lighting can undertake the maintenance of the flood lights, if requested (and to be quoted separately). If the maintenance is carried out annually by Kingfisher Lighting, we could extend the onsite warranty.

Accreditations and Memberships

We are committed to continuously improving our performance across all areas. As such, it is accredited to, and/or members of, the following industry recognised standards/associations:

Professional/Trade Registers and Recognised Standards/Associations	Registration Number
ISO 14001	EMS 633882
ISO 9001	FS 575858
ISO 45001	OHS 633883
Investors in People	N/A
FORS Silver	002724



SafeContractor	BJ6070
Constructionline Silver	172103
The Sports and Play Construction Association (SAPCA)	SAPCA-14582
Institution of Lighting Professionals (ILP)	109
Lighting Industry Association (LIA)	N/A
The Electrical Distributor's Association (EDA)	N/A
The Highway Electrical Association (HEA)	H047
The Highway Electrical Registration Scheme (HERS)	SSR533
The Electrical Contractors Association (ECA)	2005270
Registered Waste Producer	Pennine-Pack Membership Number: pp0155 Environment Agency Reference: NPWD302010
Lumincon Recycling Service	Environment Agency Registration Number: WEE/JB0166SS
Registered Lower Tier Waste Carrier/Broker/Dealer	CBDL223571

Environmental Sustainability

Kingfisher Lighting's dedication to driving change through innovative and sustainable lighting solutions is at the heart of company culture, as well as product design philosophy. This includes:

Circular Economy - Kingfisher Lighting has adopted a circular economical model for internal and external practices in order to reduce the amount of energy, material waste and carbon emitted into the world around us. With dedicated luminaires specifically designed to support the 'reduce, reuse, recycle' model, alongside sustainable supply chain responsibility practices in place, solid steps are being made towards a more sustainable future.

CIBSE TM65/66 & Embodied Carbon - With many projects now requiring low carbon products to support planning applications, Kingfisher Lighting produce TM65 and TM66 reports, outlining the amount of embodied carbon within each product and give a kgCO₂e figure which is shown on our product datasheets. Championed by the Lighting Industry Association (LIA), CIBSE's publication and assessment method, is known as "Creating a Circular Economy in Lighting". It serves as a comprehensive guide for manufacturers and specifiers in the lighting industry to understand circular economy principles with specific key product information.

The Environment & Wildlife - Kingfisher Lighting's dedication to protecting the world around us sits firmly at the heart of Kingfisher culture. Working closely with leading industry bodies such as the Institute of Lighting Professionals (ILP) & the Bat Conservation Trust to ensure we are part of the conversation for positive change. Kingfisher's technical experts formed part of the focus group working on updates to the ILP's Guidance Note 8: Bats and Artificial Lighting.

Expert Lighting Design Methods - Kingfisher Lighting's team of highly qualified Lighting Designers use proven methods and specially designed products in support of protecting wildlife habitats, whilst promoting public safety. This includes:

- A specially developed range of single spectrum lighting perfectly curated to have minimal impact on birds, insects and bats
- Dim to warm range of luminaires allowing clients to switch between cool and warm colours temperatures to ensure the perfect balance of light
- Much of our range is available with low colour temperature options, perfect for human and eco-centric schemes

DarkSky Approved - DarkSky International works to restore the nighttime environment and protects communities from the harmful effects of light pollution. With a range of certified DarkSky Approved lighting, Kingfisher's clients can be assured of quality of light, environmental consideration and planning approval assistance.



Packaging - Kingfisher is moving all of our packaging to fully recyclable materials, with an average of 95% of single use plastics already removed. This exercise also includes the reduction of unnecessary materials in order to reduce the amount of waste produced, with only necessary and recyclable materials used.

Transport - With an increased number of delivery vehicles in our fleet, Kingfisher ensures product gets to site on time, every time. All vehicles conform with EURO 6 compliance standards, reducing emissions and harmful pollutants entering the atmosphere. As well as being FORS Silver accredited, the rest of the company vehicles have moved to a more sustainable electric energy source.

Resource, Capacity and Technical Expertise within the Luceco Group

Luceco Plc is a rapidly growing manufacturer and distributor of high quality and innovative LED lighting products and wiring accessories for a global customer base.

The group supplies a blue chip and diversified customer base of trade and commercial distributors, retailers, wholesalers and project developers with a wide range of products which broadly fall into the market leading brands. Its brands and products are:

- **Kingfisher Lighting** (external LED Lighting)
- **Masterplug** (portable power)
- **Sync Energy** (EV charging)
- **Luceco Lighting** (commercial LED lighting)
- **Ross** (AV accessories)
- **DW Windsor** (cable management)
- **British General** (wiring accessories)
- **Nexus** (commercial power)
- **D-Line** (LED lighting, including heritage lighting)

Please see below the additional recourse and capacity within the wider Luceco Group:

People - 1509 directly employed members of staff

Customers - >2000 customers serviced

Suppliers - >1000 key suppliers onboarded

Kingfisher Lighting can facilitate quotes and technical information from each of the companies within the group, giving our customers one point of contact for any of their additional needs.

We welcome any questions you may have regarding our submission and look forward to hearing from you.



Case Study

Please see the below case study for Oakengates Running Track.

Inspiring a community, Oakengates Leisure Centre encourages people of all ages to adopt physical activity as a way of improving their health and wellbeing. Promoting a healthy lifestyle to all members, this facility offers opportunities to participate in swimming, ball sports, dance and athletics as well as enjoy some rest and relaxation time in their saunas and steam rooms.

With the dark and cold seasons upon us, the centre focused on upgrading their lighting scheme within their exterior spaces which included the athletics track. Previously, the track and field space were illuminated with 2kW metal halide fixtures which required high maintenance and running costs.

The Project

The Kingfisher Sport Team were tasked with creating a full scheme including both masts and floods that stands the test of time. After an initial site assessment, we discovered we would need to utilise base hinged columns for ease of maintenance when required.

The Solution

During the design process, the team utilised the AMNIS Match luminaires in order to create a high-performance scheme meeting both the standards of England Athletics and BS EN 12103. The overall outcome concluded 200 lux levels with a uniformity level of 0.7 perfectly aligned with the Class II level of play.

The AMNIS was the perfect solution for this system due to its high performance functionality and reflector based system, ensuring a powerful distribution whilst maintaining comfort for athletes and spectators alike. Designed and Engineered in the UK, this luminaire was manufactured with heatsink technology optimising the thermal management and extending the lifetime of the fitting.

We also installed and commissioned the 15 metre base hinged columns after removing the pre-existing masts. The Kingfisher High Mast Engineers were able to replace the masts with ease thanks to their many years' experience working on sport and high mast sites.

Now Oakengates have a fully renovated site with improved energy savings and newly installed high mast columns that will stand the test of time.

References can be made available upon request.

