



# Sports Floodlighting



**Floodlighting enables you to make the most of your outdoor sports facilities and gives your courts increased availability during dark evenings.**

**Floodlights can almost double your revenue for pitch rental allowing you to rent during the evenings and later into the winter months.**

## Working to your budget and timescales

We are able to design and co-ordinate all aspects of your lighting, electrical, structural and civil engineering requirements ensuring your projects will be designed to specification, completed on time and within budget.

**Call 01744 648 400**



# POWER SUPPLY REQUIREMENTS

**When installing a new sports facility at a school, club, leisure centre or other location it's important to think about floodlighting and the different options that are available.**

Having good quality floodlights installed with the sports pitch or court can extend the usability and also increase revenue at the organisation. Most schools, colleges, universities and clubs that have floodlighting for their sports facilities are able to rent the pitch out during the evening for other clubs and teams to use. This could be for training, recreational use or competitive matches between local teams.

Sports floodlighting can be installed in a number of different ways depending on the size and requirements of your pitch or multi-use games area. Each unit is comprised of a column (or mast) with several luminaires attached at the top. Alumasc will generally offer between two and ten light columns for a facility, this will be determined based on the size of the area.

During the installation process for sports floodlighting columns, foundations will be excavated and prepared and then once they have been left to cure (2-3 weeks) the masts will be fixed onto the foundations. Next, the lights will be fitted at the top of the columns and aimed at the correct position.



# POWER SUPPLY REQUIREMENTS

Once this has been done, the floodlights need to be connected to a power supply through cabling which runs around the perimeter of the pitch. The power cables are fitted around the outside of the pitch to allow easy access without disrupting the sports surface itself if repairs or maintenance are required in the future.



## **The power supply needed for sports floodlighting is a 415 volts three phase connection.**

It is vital to use the correct power supply for any sports floodlighting to ensure maximum performance quality and safety for users on the pitch. When the specified power supply is established, the electrical equipment can be fitted and tested. For facilities which are going to be used as multipurpose pitches with smaller sized areas for different sports or training purposes, a switch system can be installed. This allows the user to operate individual lighting columns depending on how the facility is being used. For example, if only one half is being used for a game of 5-a-side football, then half the lights could be turned on instead of lighting the whole pitch. This helps organisations to save money on power and also reduce any impact on the environment.

When designing and installing floodlight columns great care is taken to ensure maximum efficiency with minimum disruption and light spillage onto neighbouring areas. As each multi use games area and sports pitch is different, the outdoor lighting system can be designed to meet each bespoke requirement with regards to budget, chosen sports and the size of the area.

# CASE STUDY: FLOODLIGHTING AT STALHAM HIGH SCHOOL, NORFOLK

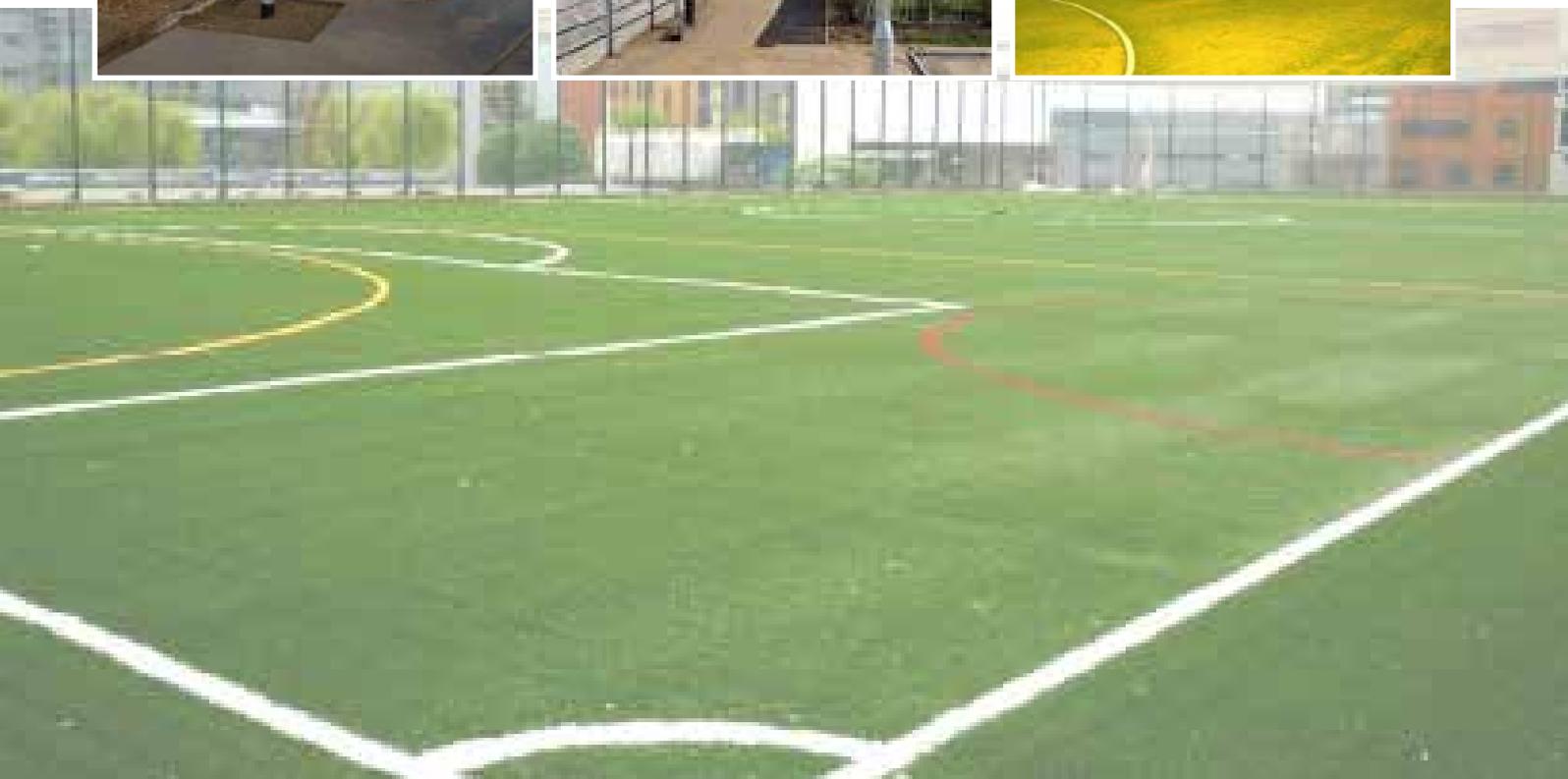
**Size of Project: 690m<sup>2</sup>**

## **Works Carried Out:**

Full construction of a new Multi Use Games Area (MUGA) included a 4.5m high Rebound sports fencing, new floodlighting, groundwork preparation, drainage provision, in-situ rubber shockpad and 24mm Sand Filled Synthetic Grass Surface.

## **Stalham High School:**

*"Can I just say a big thank you to Alumasc and all of your team for the great work you have done on our MUGA. We at Stalham High are really happy with it and the students think it is amazing. I would not hesitate to recommend your company to other schools/sites if they were looking for something similar. It is already making a vast difference to our PE lessons and lunchtime clubs."*



# CASE STUDY: MOOR PARK, BLACKPOOL



**Size of Project: 860m<sup>2</sup>**

## **Works Carried Out:**

Full design / construction of a Multi Use Games Area (MUGA), including 3m high rebound sports fencing, new floodlighting, ground preparation, drainage provision and 24mm Sand Filled Synthetic Turf surface.

## **Harry Stead – Blackpool Council**

*"The construction of the ball court we found to run like a dream from design, costing to completion of sports pitch. Alumasc were very professional in their approach and successfully have manufactured a great facility for the kids in the area to play on."*





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