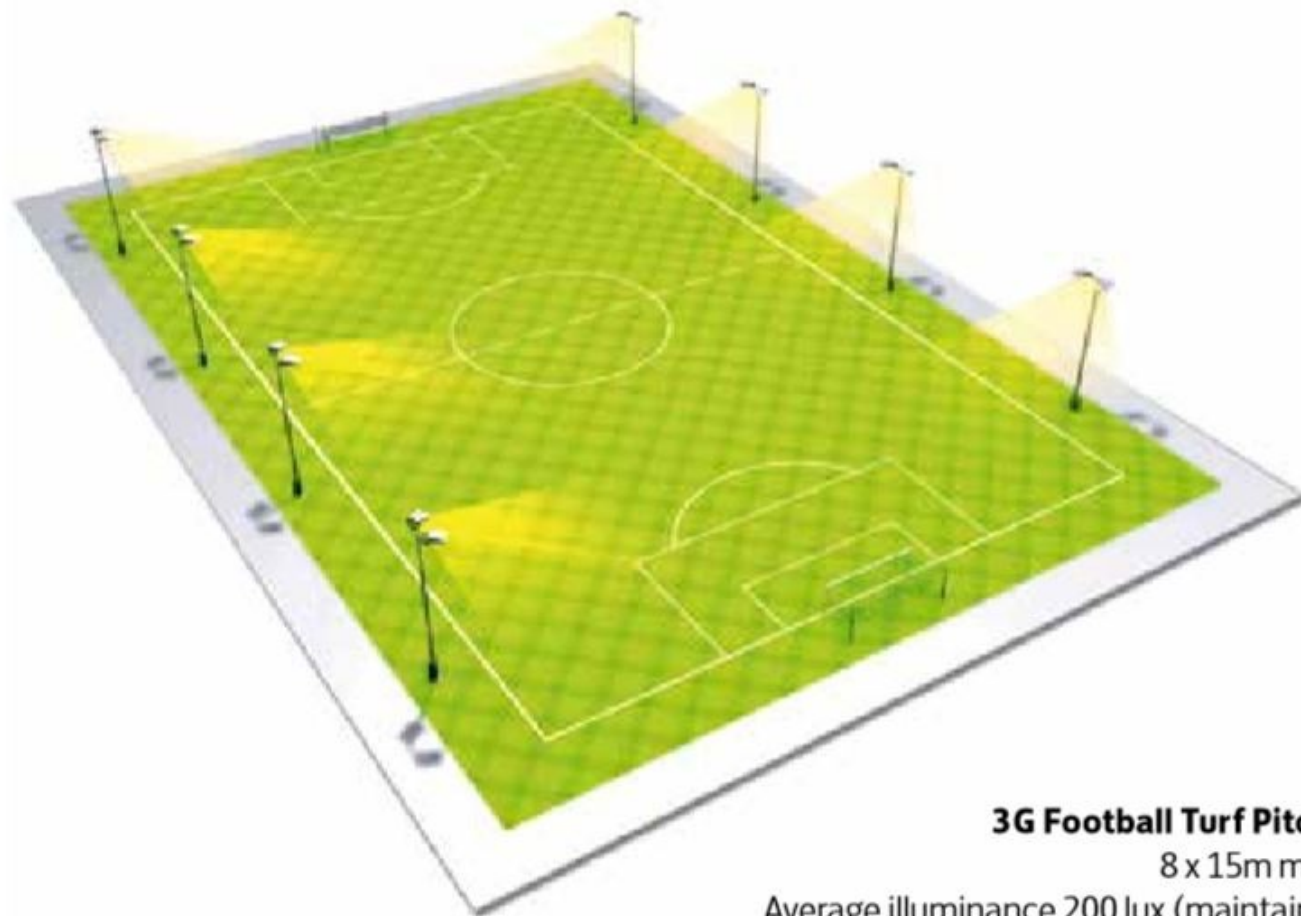


### 3G Football Turf Pitches

Projects involving 3G FTP construction generally incorporate floodlights as part of the design for the overall project since floodlighting is required to maximise the use and improve the economic sustainability of artificial grass pitches. The FA would not support building a 3G FTP where floodlighting is not provided.

Lighting of full size pitches is normally achieved by two or three lamps mounted onto normally an eight-column system which is positioned along the side of the pitch and outside of the fence-line. Typically for 3G FTPs, eight columns, 15 or 16 metres high, are used. These should be switchable so that segments of the pitch can be lit independently.

As many league and cup competitions specify the minimum level of lighting they require, it will be necessary to determine the competitions that the teams using the pitch will compete in and alter the design accordingly. Where no requirements are stated the minimum levels of performance should be in accordance with FIFA's Class II which for 11-a-side football is a minimum maintained average illumination of 200 lux.



### 3G Football Turf Pitches

8 x 15m masts

Average illuminance 200 lux (maintained)

To minimise running costs and for flexibility of use, the lighting system should allow part illumination of the pitch (half pitch and/or thirds) and a lower level of lighting for training which is a minimum maintained average illumination of 120 lux.

Typically, 3G Football Turf Pitches are designed for multi-sport use and consideration should be given to the specific lighting requirements of all anticipated users.