

# 16540S01 – Sports Lighting

## 1. SPORTS LIGHTING

1. Basketball Court, Tennis Court, and other similar lighting to be Metal Halide. Control shall be by individual ON/OFF push button on each court with battery backed master clock shut off. Use motion sensors with time delays to shut off in lieu of master clock shut off if energy savings justifies installation cost.
2. Baseball fields, football fields and other similar lighting to be Metal Halide. Control shall be by individual ON/OFF push button on each field with battery backed master clock shut off.
3. Exterior sign lighting shall be low temp cool white T-8 (1" diameter) florescent with electronic ballast. Control to be photo cell.

## 2. SPORTS SPECIALTY LIGHTING

1. Review with owner in design phase of project and provide as designed.

## 3. GENERAL REQUIREMENTS FOR ALL LIGHTING

1. No Mercury Vapor lighting is to be added on the UK Campus.
2. No Quartz area or accent lighting is to be added on the UK Campus.
3. All ballast to be low noise type, sound rated "Class A" UL Listed "Class P".
4. All ballast to be electronic type, power factor greater than .98, THD less than 10%, 3rd harmonic distortion less than 6%, transient protected per ANSI C62.41, Cat A, EMI must comply with FCC Part 18, Subpart C.
5. All louvers to be metal unless the owner agrees in writing to accept plastic.
6. Unless specified otherwise, lighting to be industrial quality.
7. All lighting to be installed in accordance with UK Standards 16000-16999.
8. All lighting on emergency generator circuits to be non-restrike type.
9. At minimum, all lighting provided to be "Energy Saving" as defined by the 1990 National Electric Code.
10. Do not provide radio active lighting of any kind on University projects.
11. Install a 120 volt receptacle at floor level near each exit that has an exit sign.