

Pro's and Con's of Lighting Practice Fields

Pro's	Con's
Increase scheduling capacity	Comes with impacts to the immediate residents and area neighbors
Allows for safer play on the field	Capital outlay expenses
Provides for an identified community need	Periodic traffic congestion and constrain on available parking
Field could be used for other "cultural" events at night such as plays, concerts, etc...	Amount of noise a surrounding neighbor may be exposed to
	Maintenance upkeep
	Timer issues, lights on when not needed.
	Potential vandalism issues on the fields

FYI

- IESNA set forth four illumination classifications based on the level of play being accommodated on a lighted athletic field. Recommended levels for social or **recreational sports range from 20 to 50 foot-candles**; levels for **professional play** with large spectator attendance and television coverage **can reach 300 foot-candles**.
- **Level IV** illumination is for competition or recreational play only with no provision for spectators.
- **Level I** illumination is for competition play before a large group of spectators' attendance (approximately between 5,000 and 10,000 spectators).

These recommendations were based on Level IV illumination.

Typical Facility Information

Area of Lighting	Minimum maintained average horizontal illuminance	Maximum to minimum uniformity ratio	Typical playing facility dimensions (ft ²)	Typical lighted area dimensions (ft ²)
Baseball/Softball	50 fc (infield) 30 fc (outfield)	2.0 infield 2.5 outfield	baseball-90 X 90 softball- 60 X 60	Baseball- 150 X 150 Softball- 100 X 100
Football/Soccer	20 fc	2.5 2.0	Football- 160 X 360 Soccer- 200 X 360	Football- 180 X 360 Soccer- 210 X 360