



TDS Sports Lighting Design Request Checklist

****Fixture Beam Spreads, Aiming Diagram, and Final Calculations will be furnished upon the receipt of a released order.**

Project Information:

- ☐ Job Name
- ☐ Full Address
- ☐ Scope of work
- ☐ Drawing Types

Designate the areas for design and calculation

CAD File: Need XREFs bound in a clean CAD file. Hide/Freeze/Remove all unnecessary layers.

PDF File: Need a Clean PDF with site information and a dimension for scaling. Include at least (1) dimension so drawing can be scaled. No shaded areas or existing lighting calculations.

Google Map or Address: Provide a survey to confirm location and number of fixtures. Any map images will be approximate calculations. We cannot determine existing pole heights from Google. Please provide.

- ☐ Project Types
- ☐ Site Restrictions

New, Retrofit, Revision? - See below

Provide any local Zoning/Spill Light/Residential Code restrictions.

New Site:

- ☐ Pole Height:
- ☐ Structures:

Provide a CAD drawing or a PDF file. The PDF file must include (1) Dimension in order to be able to scale the drawing. Google Map images can be utilized but calculations results will be approximate.

LSI will determine the optimum pole height required unless otherwise instructed or heights provided at initial request.

Provide details concerning any structures that could potentially block the spread of light form the new fixtures. (Bleachers, Press Box, etc..)

Retrofit:

- ☐ Pole Locations:
- ☐ Pole Heights:
- ☐ Brackets:
- ☐ Fixtures:
- ☐ Structures:

Provide previous drawing, and/or calculations, and aiming diagram if possible. The PDF file must include (1) Dimension in order to be able to scale the drawing. Google Map images can be utilized but calculations results will be approximate.

Pole locations need to be indicated on submitted documentation.

Note whether we are to use existing poles. Provide pole height. We cannot determine pole heights from Google.

Provide details on current brackets if reusing the current structure. (Cage, Crossarm, Configuraiton, Quantity per pole etc..)

Provide existing fixture manufacturer, catalog number, source type, wattage, and quantity.

Provide details concerning any structures that could potentially block the spread of light form the new fixtures. (Bleachers, Press Box, etc..)

Revision:

- ☐ LSI TDS Drawing #: Provide LO#

Sports Classification and Types - Provide Sport and Classification with every request

Field Sports Class of Play:

Baseball/Softball

- ☐ **Class 1** **150fc Infield** **100fc Outfield**
1.3 Max./Min. 1.7 Max./Min.
- ☐ **Class 2** **100fc Infield** **75fc Outfield**
1.5 Max./Min. 2.0 Max./Min.
- ☐ **Class 3** **50fc Infield** **30fc Outfield**
2.0 Max./Min. 2.5 Max./Min.
- ☐ **Class 4** **30fc Infield** **20fc Outfield**
2.5 Max./Min. 3.0 Max./Min.

Football

- ☐ **Class 1** **100fc** 1.7 Max./Min.
- ☐ **Class 2** **50fc** 2.0 Max./Min.
- ☐ **Class 3** **30fc** 2.5 Max./Min.
- ☐ **Class 4** **20fc** 3.0 Max./Min.

Soccer

- ☐ **Class 1** **75fc** 1.7 Max./Min.
- ☐ **Class 2** **50fc** 2.0 Max./Min.
- ☐ **Class 3** **30fc** 2.5 Max./Min.
- ☐ **Class 4** **20fc** 3.0 Max./Min.

IES RP-6-20 Table

FACULTY	CLASS			
	I	II	III	IV
Professional	x			
College	x	x		
Semiprofessional	x	x		
Sport Clubs	x	x	x	
Amateur Leagues		x	x	x
High School		x	x	x
Training Facilities			x	x
Elementary School				x
Recreational Event				x
Social Event				x

Class I: Facilities with spectator capacity over 5,000

Class II: Facilities with spectator capacity up to 5,000

Class III: Facilities with spectator capacity up to 2,000

Class IV: Facilities with limited or no provision for spectator

OUTDOOR Court Class of Play:

- ☐ **Class 1** 150fc 1.5 Max./Min.
- ☐ **Class 2** 75fc 1.7 Max./Min.
- ☐ **Class 3** 50fc 2.0 Max./Min.
- ☐ **Class 4** 30fc 2.5 Max./Min.

Pickleball

- ☐ **Class 1** 75fc 1.7 Max./Min.
- ☐ **Class 2** 50fc 2.0 Max./Min.
- ☐ **Class 3** 30fc 2.0 Max./Min.

INDOOR Court Class of Play:

- ☐ **Class 1** 150fc 1.5 Max./Min.
- ☐ **Class 2** 100fc 1.7 Max./Min.
- ☐ **Class 3** 75fc 2.0 Max./Min.
- ☐ **Class 4** 50fc 2.5 Max./Min.

Pickleball

- ☐ **Class 1** 75fc 1.7 Max./Min.
- ☐ **Class 2** 50fc 2.0 Max./Min.
- ☐ **Class 3** 30fc 2.0 Max./Min.

Checklist:

- ☐ Fixture Choice?
- ☐ Ceiling Heights?
- ☐ Any obstructions?
- ☐ Paint colors or LRV of surfaces (light reflectance values)?
- ☐ Room Names?

LSI Contacts:

National Director, Sports Lighting - Sergio Aguilar - sergio.aguilar@lsicorp.com

Send above information to begin the process - TDS Sports Applications - sports.apps@lsicorp.com