



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:

<input type="checkbox"/> Job Name	Designate the areas for design and calculation
<input type="checkbox"/> Full Address	CAD File: Need XREFs bound in a clean CAD file. Hide/Freeze/Remove all unnecessary layers.
<input type="checkbox"/> Scope of work	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.
<input type="checkbox"/> Drawing Types	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.
<input type="checkbox"/> Project Types	New, Retrofit, Revision? - See below
<input type="checkbox"/> Site Restrictions	Provide any local Zoning/Spill Light/Residential Code restrictions.

New Site:

<input type="checkbox"/> Pole Height:	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.
<input type="checkbox"/> Structures:	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 from the new fixtures. (Bleachers, Press Box, etc..)

Retrofit:

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.

<input type="checkbox"/> Pole Locations:	Pole locations need to be indicated on submitted documentation.
<input type="checkbox"/> Pole Heights:	Note whether we are to use existing poles. Provide pole height. We cannot determine pole heights from Google.
<input type="checkbox"/> Brackets:	Provide details on current brackets if reusing the current structure. (Cage, Crossarm, Configuration, Quantity per pole etc..)
<input type="checkbox"/> Fixtures:	Provide existing fixture manufacturer, catalog number, source type, wattage, and quantity.
<input type="checkbox"/> Structures:	Provide details concerning any structures that could potentially block the spread of light from the new fixtures. (Bleachers, Press Box, etc..)

Revision:

<input type="checkbox"/> LSI TDS Drawing #:	Provide LO#
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Sports Classification and Types - Provide Sport and Classification with every request

Field Sports Class of Play:

Baseball/Softball	<input type="checkbox"/> Class 1 150fc Infield 100fc Outfield 1.3 Max./Min. 1.7 Max./Min.
	<input type="checkbox"/> Class 2 100fc Infield 75fc Outfield 1.5 Max./Min. 2.0 Max./Min.
	<input type="checkbox"/> Class 3 50fc Infield 30fc Outfield 2.0 Max./Min. 2.5 Max./Min.
	<input type="checkbox"/> Class 4 30fc Infield 20fc Outfield 2.5 Max./Min. 3.0 Max./Min.
Football	<input type="checkbox"/> Class 1 100fc 1.7 Max./Min. <input type="checkbox"/> Class 2 50fc 2.0 Max./Min. <input type="checkbox"/> Class 3 30fc 2.5 Max./Min. <input type="checkbox"/> Class 4 20fc 3.0 Max./Min.
Soccer	<input type="checkbox"/> Class 1 75fc 1.7 Max./Min. <input type="checkbox"/> Class 2 50fc 2.0 Max./Min. <input type="checkbox"/> Class 3 30fc 2.5 Max./Min. <input type="checkbox"/> Class 4 20fc 3.0 Max./Min.

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:

Tennis	<input type="checkbox"/> Class 1 125fc 1.5 Max./Min.
	<input type="checkbox"/> Class 2 75fc 1.7 Max./Min.
	<input type="checkbox"/> Class 3 50fc 2.0 Max./Min.
	<input type="checkbox"/> Class 4 30fc 2.5 Max./Min.
Basketball/Volleyball	<input type="checkbox"/> Class 3 30fc 3.0 Max./Min.
	<input type="checkbox"/> Class 4 20fc 4.0 Max./Min.
Pickleball	<input type="checkbox"/> Class 1 75fc 1.7 Max./Min.
	<input type="checkbox"/> Class 2 50fc 2.0 Max./Min.
	<input type="checkbox"/> Class 3 30fc 2.0 Max./Min.

INDOOR Court Class of Play:

Tennis	<input type="checkbox"/> Class 1 150fc 1.5 Max./Min.	Checklist:
	<input type="checkbox"/> Class 2 100fc 1.5 Max./Min.	<input type="checkbox"/> Fixture Choice?
	<input type="checkbox"/> Class 3 75fc 1.7 Max./Min.	<input type="checkbox"/> Ceiling Heights?
	<input type="checkbox"/> Class 4 50fc 2.0 Max./Min.	<input type="checkbox"/> Any obstructions?
Basketball	<input type="checkbox"/> Class 1 125fc 1.7 Max./Min.	<input type="checkbox"/> Paint colors or LRV of
	<input type="checkbox"/> Class 2 75fc 2.5 Max./Min.	surfaces (light
	<input type="checkbox"/> Class 3 50fc 3.0 Max./Min.	reflectance values)?
	<input type="checkbox"/> Class 4 30fc 4.0 Max./Min.	<input type="checkbox"/> Room Names?
Pickleball	<input type="checkbox"/> Class 1 75fc 1.7 Max./Min.	
	<input type="checkbox"/> Class 2 50fc 2.0 Max./Min.	
	<input type="checkbox"/> Class 3 30fc 2.0 Max./Min.	

LSI Contacts:

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