



# Application Information Details SPORTS LIGHTING

**All information in Section 1 is required:**

1) Project Name: \_\_\_\_\_ Rep. Agency Name: \_\_\_\_\_  
Project Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**For prompt and accurate lighting layouts, please provide as much information as you have available:**

2) **A scaled or dimensioned site plan via e-mail**

- Drawing files (.dwg) are preferred and will provide the quickest turn-around.
- Drawings that must be traced will require a longer turnaround time.
- Dwg files should have any x-refs bound and be clean as possible of layers and blocks which are not necessary for the lighting layout.
- Clearly mark the areas to be illuminated.

3) **Luminaire type(s): Specify each luminaire type on your project or send copies of marked cut sheets and/or IES files**

Catalog #: \_\_\_\_\_

Source:  HPS  PSMH  LED (mA): \_\_\_\_\_ Other: \_\_\_\_\_

Light loss factor (LLF): \_\_\_\_\_ IES files to be provided by:  LAS  Client

Wattage: \_\_\_\_\_  Required or  Maximum

Mounting Height: \_\_\_\_\_  Required or  Maximum

Catalog #: \_\_\_\_\_

Source:  HPS  PSMH  LED (mA): \_\_\_\_\_ Other: \_\_\_\_\_

Light loss factor (LLF): \_\_\_\_\_ IES files to be provided by:  LAS  Client

Wattage: \_\_\_\_\_  Required or  Maximum

Mounting Height: \_\_\_\_\_  Required or  Maximum

4) **Footcandle criteria: Specify fc criteria for each different area here (Recommendations on Page 3)**

Class of play:  I  II  III  IV

Average: \_\_\_\_\_ Max: \_\_\_\_\_ Min: \_\_\_\_\_ Max/Min: \_\_\_\_\_ Other criteria: \_\_\_\_\_

**5) Site Information**

Indoor	Outdoor
Reflectances: ____/____/____	Type of sport:
Type and class of sport: _____	Pole location: <input type="checkbox"/> Use existing <input type="checkbox"/> Place as needed
Room and court dimensions:	Field Size: Length: _____ Width: _____
Length: _____ Width: _____ Height: _____	B _____ U _____ G _____ of luminaire desired
Owner or code Requirements:	Spill light / property line issues:
_____	_____
_____	Owner or code Requirements:
	_____

**6) Revisions**

- Mark up the previous lighting layout using Adobe PDF, CAD, or handwritten notes, then send the document to us electronically; include the job’s reference number in the subject of the email.

**7) Other Project Information:**

**A.I.D. TIPS**

**IES RECOMMENDATIONS FOR SPECIFIED AREAS**

TIPS is a condensed and simplified version of IES Recommended Practice for quick reference. Refer to the IES reference given in each section for a more complete explanation.

**Determining the Class of Play of a Sports Facility:**

*IES RP-6-15 Sports and Recreational Lighting, Page 8*

<b>Class</b>	<b>Spectator Capacity</b>
I	Over 5,000
II	Under 5,000
III	Some Provisions
IV	No Provisions

**Indoor Sports:***IES RP-6-15 Sports and Recreational Lighting*

<b>Sport</b>	<b>Average Horizontal FC (Class II/Class III)</b>	<b>Uniformity (Max/Min)</b>
Basketball	75/50	2.5:1 3:1
Gymnastics	75/50	2.5:1 3:1
Ice Skating (Figure)	100/75	2.5:1 3:1
Boxing	100/75	1.5:1 2:1
Handball, Racquetball, and Squash	75/50	2.5:1 3:1
Tennis	100/75	1.5:1 1.7:1
Volleyball	75/50	2.5:1 3:1
Rodeo	75/50	2:1 2.5:1

- Illuminance readings in sports facilities involving aerial activities are taken @ 3' AFF.
- Cross-aim floodlights to eliminate shadows.
- If the sport will be televised, then the vertical FC readings need to be considered.

**Outdoor Sports:***IES RP-6-15 Sports and Recreational Lighting*

<b>Sport</b>	<b>Average Horizontal FC (Class II/Class III)</b>	<b>Uniformity (Max/Min)</b>
Soccer	50/30	2:1 2.5:1
Football	50/30	2:1 2.5:1
Bicycle Motocross (BMX) Racing	50/30	2:1 3:1
Basketball *Only Class III*	30	3:1
Track	30/20	3:1 4:1
Tennis	75/50	1.7:1 2:1

- Illuminance readings in sports facilities involving aerial activities are taken @ 3' AFF.
- Cross-aim floodlights to eliminate shadows. Aiming angle of floodlights depends on mounting height and setback.
- If the sport will be televised, then the vertical FC readings need to be considered.

