



Job Name: _____ Rep. Agency Name: _____

Address: _____

Telephone: _____ Fax: _____ Email: _____

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

1. 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 turn-around 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.

2. Fixture type(s): Specify each luminaire type on your project

Each manufacturer: _____

Source: HPS MH CF LED Other: _____

Wattage: _____ Required Maximum

Mounting height: _____ Required Maximum

Light loss factor: _____ IES file (or file number if available): _____

Or send copies of marked cut sheets

3. Footcandle criteria: Specify fc criteria for each different area here

Average: _____ Max: _____ Min: _____ Max/Min: _____

Other criteria: _____

**For recommendation
reference page 2**

5. Site Information

Indoor

Reflectances: _____ / _____ / _____

Type of activity: _____

Readings taken: at grade _____' above grade

Room dimensions:

Length: _____ Width: _____ Height: _____

Owner or code requirements:

Outdoor

Building reflectance: _____ / _____ / _____

Type of activity: _____

Readings taken: at grade _____' above grade

B_____ U_____ G_____ of luminaire desired

Pole location: Use existing Place as needed

Spill light / Property line issues:

Owner or code requirements:

5. 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.

6. Other project information

A.I.D. TIPS

IESNA RECOMMENDATIONS FOR SPECIFIED AREAS

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

EXTERIOR LIGHTING

Parking Lots: *IESNA RP-20-98, p3 Table 1, IES Lighting Handbook 26.2*

Recommendations are for minimum maintained fc levels from curblineline to curblineline

	Basic	Enhanced Security
Minimum Horizontal Illuminance	0.2	0.5
Maximum to Minimum (Uniformity Ratio)	20:1	15:1

Parking Garages: *IESNA RP-20-98, p11 Table 2., IES Lighting Handbook 26.2*

	Minimum Horizontal Fc	Maximum to Minimum Horizontal Uniformity Ratio
Basic	1.0	10:1
Ramps		
Day	2.0	10:1
Night	1.0	10:1
Entrance Areas		
Day	50	-
Night	1.0	10:1

Parking Lots: *If personal security or vandalism is a likely and/or severe problem, a significant increase of the Basic level may be appropriate. Many Retailers prefer even higher levels, with a specification of 1 fc as the minimum value.*

Consider drive aisles, parking areas, pedestrian transaction areas, vehicular transaction areas, entries, and exits.

Parking Garages: *Consider drop-off and pickup areas, vehicular transaction areas, pedestrian transaction areas, elevators, entries, and exits.*

Security Lighting: *IESNA RP-33-99, p8 Section 4.0, IES Lighting Handbook 26.2*

“Too often, people associate more light or brighter light with “safer” surrounds Too much light, or poorly directed light causes a loss of visibility Direct vertical light on faces should be comfortable with minimal glare. When faces are lighted, detection and identification happens quickly and easily, even at great distances.”

“For pedestrian parks, pathways may be lighted continuously. This method is recommended for heavily used paths shared by joggers, bikers, strollers, and those on roller blades. Another option is to only light “hazards” like stairs, bridges and obstacles.....”

“Lamps with CRIs > 80 help people better identify and distinguish colors... perpetrators will learn that their risk of exposure and identification is greater in such areas.”

For security surveillance, low wattage lights should contribute to an average of 1 fc, 2.5 fc, and 5 fc on the ground plane respectively in rural, suburban, and urban areas.

INTERIOR LIGHTING

The IESNA Lighting Handbook, 9th Edition/Quality of the Visual Environment/Illuminance Recommendations.

Recommendations are for average maintained horizontal fc levels.

A	Public Spaces	3 fc
B	Simple Orientation for short visits	5 fc
C	Working spaces where simple visual tasks are performed	10 fc
D	Performance of visual tasks of high contrast and large size	30 fc
E	Performance of visual tasks of high contrast and small size, Or low contrast and large size	50 fc
F	Performance of visual tasks of low contrast and small size	100 fc
G	Performance of visual tasks of critical importance, or very small or very low contrast critical elements	300 - 1000 fc