

TECH-TIPS

CROWN LITE

A Series of Educational Notes to Promote a Better Understanding of Lighting

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“COMPUTERIZED LIGHTING SYSTEM DESIGN” Data Transmittal Form

by *William H. Siegel*

This form is intended to be used by a qualified auditor to help gather and organize the data needed to make solid basic design decisions. The goal is knowing the answers before your client asks the questions!

ANSWER DESIGN QUESTIONS WITH CONFIDENCE AND SECURITY

Using the data you have supplied on the back of this form and modern computer aided lighting design tools we will explore a number of different solutions to the application problems uncovered during your client interview and detailed lighting audit. You can then answer with confidence and security those universal

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questions: What level is right for the application? What type, quantity, and configuration of fixtures will work best in the space? Will the lighting system be comfortable (Visual Comfort Probability)? How uniform will it be? Will it provide good lighting on vertical surfaces? And, how well will people perform under the new system (Relative Visual Performance)?

MEETING PERFORMANCE GOALS IS CRITICAL

You simply can not afford to guess. It is critical to insure performance goals are met and that only credible and realizable expectations are offered. That's why we so strongly recommend computer modeling of prototype areas before you go ahead with any installation.

A BETTER JOB IN LESS TIME

This form is designed to be used together with other quality Crownlite auditing aids like our "Project Pre-Qualification Form" (which should already have been filled out and returned by your client) and our "Project Auditor's Interview Form". When used together, these tools become a method of approaching your project that will shorten the sales cycle, and allow you to quickly develop a unique and compelling proposal for your client or customer.

COMPUTERIZED LIGHTING SYSTEM DESIGN Data Transmittal Form

Date: _____ Company: _____

Phone: _____ Fax: _____ Contact: _____

Project Name:

Area designation:

Use of Space:

Task Description:

Age of Existing System: _____ Foot Candles Existing: _____ Hrs. of Use: _____

Age of Occupants: _____ Color Is Important (Y/N)?

Speed or Accuracy Are Critical (Y/N)? _____

Special code requirements or Environmental Conditions (Dirt, Temp, Damp, Hazardous, etc.):

Foot Candles Required:

Ceiling Height: _____ Mounting Height: _____ Task Height: _____

Room Length: _____ Width: _____

Room reflectance's (Enter % Reflectance or Lt/Med/Dark & Color):

Ceiling%: _____ Walls%: _____ Floor%: _____

Any vertical partitions, glass walls, columns, horizontal surfaces, etc.) that would block or reflect light?

Design strategy (General uniform, Non-uniform, Supplementary, and/or Task):

Statement of design goals: _____

Remarks:

IMPORTANT: Attach a sketch of the space. Show all fixture, pendant sensor, and switching positions that already exist (between rows and from walls).

Please fill out the back of form, photocopy, and return the copy via mail or fax, ASAP.

Allow up to 72 hours for a response.

	EXISTING SYSTEM	SYSTEM 2	SYSTEM 3
Fixture type			
Mounting			
Reflector Mtrl			
Lens/Lvr			
Lamp Type			
Ballast Type			
Ballast Factor			

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