



Lighting Project

SOTA iDo 2005 Lighting Project Brief

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Problem Statement

Your bedroom is sacred territory. It is a place for rest, daydreaming, play, work, personal expression, entertainment and rejuvenation. Within this environment, we often rely on lighting to provide light for mood, reading, and general visibility. In the iDo SOTA project, you will design a lighting product to be used next to your bed on a side table. During the course of the project, you will identify the key functionalities of the product and go through a design and development process resulting in a working prototype.

Constraints:

- Physical Stability
- Cost
- Work within a limited time frame
- Work within a limited pallet of materials
- Design an appropriate solution for bedroom context and on the bed side table
- Design for Safety from heat and electricity
- Communicate something about you within the design elements you select

Methodology: You will experience a problem solving design methodology, which will include the following phases:

- Observation
- Specification
- Ideation
- Concept Development
- Model Making
- Prototyping
- Final Product Fabrication
- Constructive Critiquing

Materials:

Corrugated Cardboard	Rice Paper	Electric Cord
Illustration Board	Bristol Board	Bulb Housing
Chip Board	Thread	Florescent Bulb
Contact Cement	String	Plug
White Glue	Tape	
Glue Stick	Styrene	

Tools:

Scissors
X-Acto Knife
Ruler
Sand Paper

Assessment: You will be assessed on the following

1. Ability to meet your specifications
2. Work within the material Constraints
3. Creativeness of your solution
4. Participation in the entire design methodology process
5. Ability to provide constructive feedback to your peers
6. Focus during open lab time
7. Quality of Craft

Deliverables

1. Project Booklet Including the Following
 - a. Information Gathering Notes
 - b. Design Drivers document
 - c. Image Photomontage
 - d. Ideation Sketches
 - e. Images of Models and Prototype
2. Final Bed Side Table Lighting Product

Note: The lighting units produced during this project are prototypes, and are not intended for daily use.



Lighting Project Curriculum

2/1/2005

SOTA

Bed Side Table Lighting Curriculum Outline

Week One	Introduction Presentation: Lecture: Lecture: Assignment:	Program Introduction (What will the Student Gains) ID Information Gathering Demonstration and Models Industrial Design Assignment Introduction Information Gathering
Week Two	Review: Lecture: Assignment:	Information Gathering Design Drivers and Goal Creation Design Driver Document
Week Three	Review: Lecture: Assignment:	Design Drivers Documentation Influence Imaging Influence Photomontage
Week Four	Review: Lecture: Demo: Assignment:	Photomontage Ideation/Brainstorming Rapid Sketching Ideation/Brainstorming
Week Five	Review: Demo: Demo: Assignment:	Ideation/Brainstorming Model Making Sheet Materials, Cutting and Gluing Lighting Component Assembly Models
Week Six	Review: Demo: Assignment:	Models Model Making and Prototyping Styrene, Bending, Forming and Connecting Prototypes
Week Seven	Review: Lecture: Open Studio Assignment:	Prototypes The Mechanics of Light : Lumens Prototypes
Week eight	Lecture: Open Studio Assignment:	Final Prototyping Final Product
Week Nine	Review: Presentation:	Final Product Design Colleges and Firms in Bay Area