

Interior Architecture

Ohio University

College of Fine Arts

School of Art+Design

ART 2640, Building Systems of Interior Environments
Fall Semester 2020
Tuesdays & Thursdays 10:30-11:50
Online

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Identifying *Lamps* ('bulbs' in lay terms) Assignment

Due: Tuesday, October 27: 10:30 am



This is the first of six (6) lighting assignments. You will need to keep these in an envelope or binder after I return each one to you.

Overview:

In lighting terminology a 'lamp' is what is commonly called a 'bulb.'

A 'luminaire' is what is commonly called a 'table lamp' or a 'floor lamp' or a 'fixture.'

This exploration and documentation assignment is about 'lamps', not about 'luminaires.'

Using a camera of some form, (phone cameras are fine)

Find and identify seven different types of 'lamps.'

As you find these, take photographs of each one, producing a total of **seven (7) good, clear, photographs of the seven (7) different lamps** in use in interior OR exterior spaces.

The interior spaces may be your own residence, or any other building that you can safely access in the terms of today's pandemic safety measures. I advise going to large open places: in the Athens area such might be Kroger, Walmart, Lowes, Dunham's Sports. These are large open spaces in which appropriate pandemic safety measures have been/are being taken. Exterior spaces may be anywhere you can safely access.

The images you produce should reflect an understanding of the various types of lamps as discussed in the class web page content and class lectures. To show this understanding, please provide a paragraph with each image discussing the characteristics of each specific lamp: what it is called, what the experiential impact of using that specific type of lamp is.

Please describe the specific lamps in terms of:

- Light source (lamp) properties
 - Initial Cost: give an approximate cost as you research it.
 - Operating Cost: this is how much it costs to use daily.
 - Color Rendering Index (CRI): this is a specific number.
 - Color Temperature: this is a specific number in Kelvins.
 - Ballast / Transformer requirements: Yes or no answer.
 - Instant on / off: yes or no answer.
 - Directionality: describe how the fixture/device directs light.
 - Efficacy: This is a specific number, of lumens per watt.
 - Lamp Life: expressed in hours.
 - Temperature requirements: this is a description of operating conditions.
 - Heat generated: yes or no.
 - Noise generated: yes or no with a brief description of the noise.

Each of these aspects/conditions related to lighting devices is to be described in your written analysis.

**This is to be a multi page, printed out, pdf, document.
At the top of the first page please include:**

**Your Name
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