

### **Project Scope**

The driving approach to my project was, "How can I design a space that is flexible, efficient, easily sustainable and provides an educational value to the students?" This project began through my Advanced Lighting Technology course where I was provided the opportunity of researching LED technology and determining how to re-structure or re-design a campus facility with that technology.

**Moving Fixtures** 



Mac Quantum Profile

www.rosterriesentations.com





# Theoretical Re-design of the Baker Patillo Student Center Grand Ballroom Travis Wilson

**Process** 



## LED Lighting





**F-12** Fluore

ColorSourc

Clav Pakv M

Par 155 Zoo

**GLP Express** 

LEDspot 30

Mac Quant

T-12 LED tu

	Amount	Wattage	Total Wattage	Kilowatt/hour
4 Jr. Zoom	29	575w	16,675w	16.675 Kw/h
scent	80 (in house)	75w	6000w	6 Kw/h
				22.675 Kw/h

### Expected Energy Usage with Designed Plot

	Amount	Wattage	Total Wattage	Kilowatt/hour
e Spot	6	147w	882w	.882 Kw/h
II	9	800w 28w (Idle)	7,200w 252w (Idle)	7.2 Kw/h .252 Kw/h
lythos II	7	500w	3,500w	3.5 Kw/h
m	12	150w	1,800w	1.8 Kw/h
sion X4	10	350w	3,500w	3.5 Kw/h
D	6	350w	2,100w	2.1 Kw/h
um Profile	6	750w	4500w	4.5 Kw/h
be	80	40w	3,200w	3.2 Kw/h
	1	330w	330w	.33 kw/h
			26,682w 19,734w (Idle)	26.682 Kw/h 19.734 Kw/h