

Lighting Survey Form

(For use in preparing the 2nd component of Practical Project 1,
Which is due during week 10 of training (Jan 11-14, 2011))

	Area Description	Type of Lighting	Lighting Controls	# of Fixtures	Lamps/ Fixture	Watts / Lamp
1	Classroom					
2	Corridor					
3						

$$\text{Lighting Power} = \frac{\text{Watts}}{\text{Lamp}} \times \frac{\text{Lamps}}{\text{Fixture}} \times \frac{\text{Fixtures}}{\text{Room}} = \text{Watts} \quad \text{Ballast Add 10\%} \quad \text{Total Watts}$$

	Description						
1	Classroom						
2	Corridor						
3							

$$\text{Lighting Power Density} = \frac{\text{Total Watts}}{\text{Sq Ft of Area}} = \text{Watts / SF}$$

	Description			
1	Classroom			
2	Corridor			
3				

Lighting Energy Consumption – Based on Annual Operating Hours

$$\text{KW} \times \text{Hours / Yr} = \text{KW-hr}$$

	Description	Watts / 1000 = KW	Hours/Yr	= KW-hr	\$0.10	\$
1	Classroom	/ 1000 =		=		
2	Corridor			=		
3						

Standard Schedule: Hours/Year = 2080 hr/yr = 40 hours/week x 52 weeks/year

Your Schedule: Hours/Year =