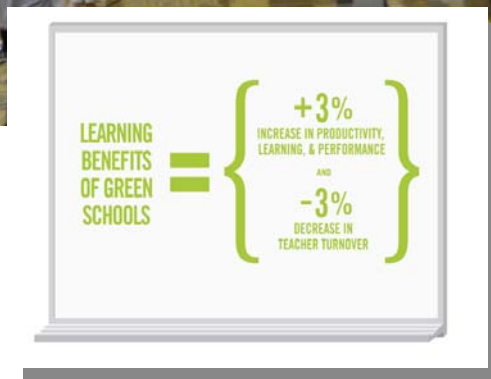
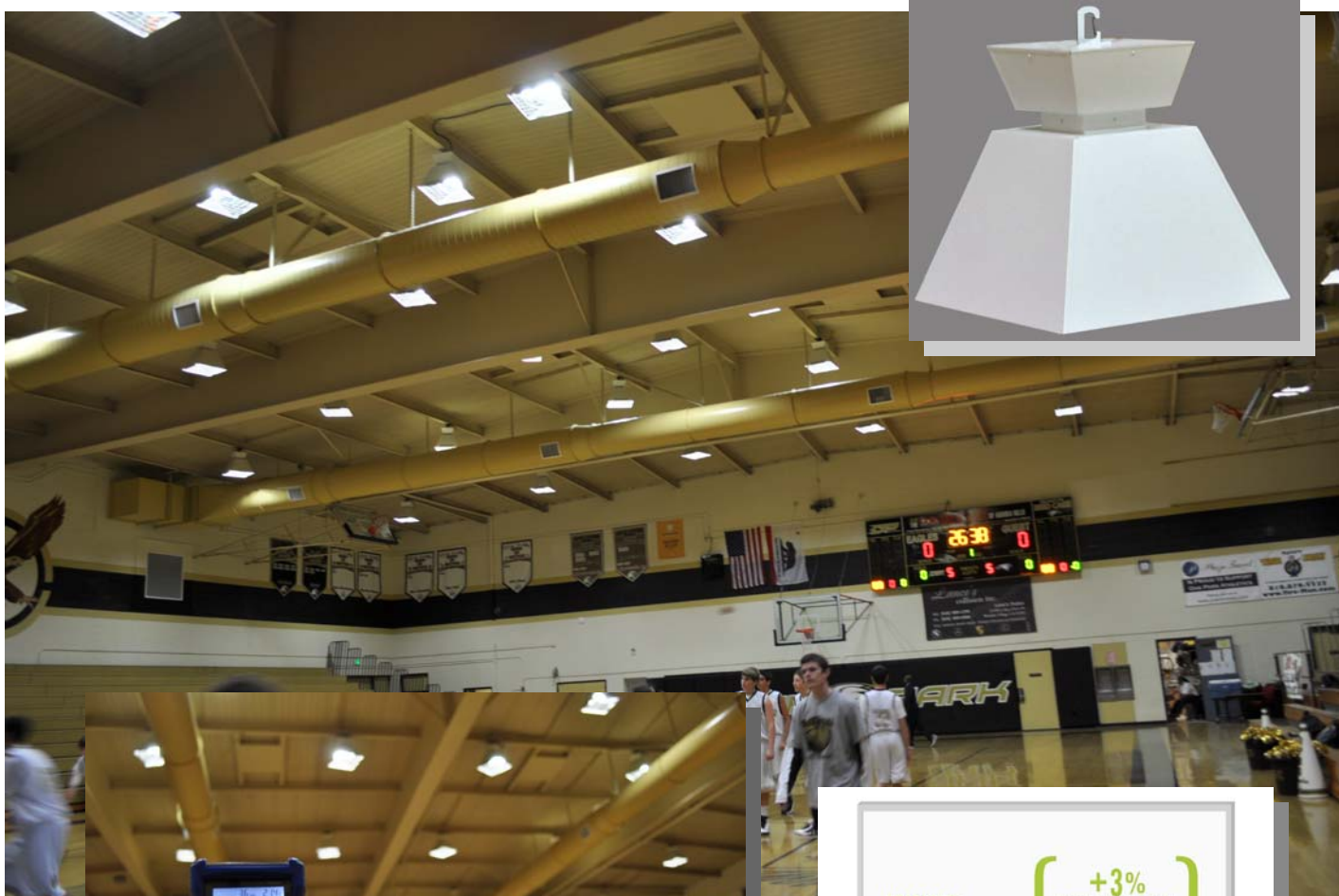




## ADG Eco Lighting Products Induction Case Study 092010

*"The Good word at OPUSD is that the school is saving well over 60% on energy in the Gym  
It now has 20 foot candles and Received and Award from So Cal Edison"*



Oak Park High School

### Gymnasium Lighting Replacement



ADG Eco Lighting Products  
 ADG Eco & Energy Advisement Group  
 Proudly serving  
 Institutions  
 with an experienced team

Collaborations of our Team  
 with yours produces  
 quality results,  
 well manufactured products  
 and some of the best solutions.  
 manufacturing for 3 generations

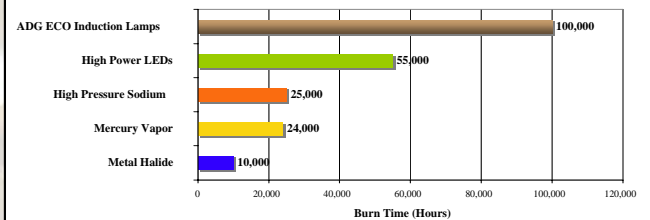
ADG Manufactured solutions -  
 Save you Money

**Paradigm Shift**

Reasonable 21st Century solutions  
 Better quality illumination  
 Less Energy used  
 Deferred maintenance  
 State and Federal Compliance  
 DOE Recognized technology

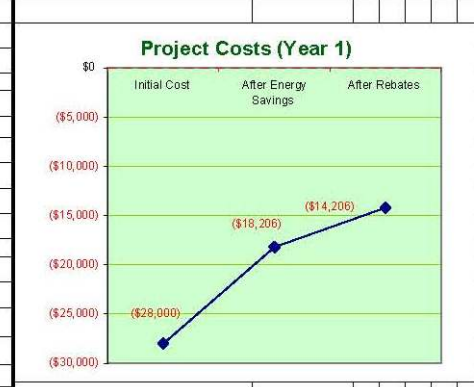


Typical Lamp Lifespan of Commercial/Industrial Lighting Types



Project Details, Savings, Rebates, & Costs		
Item	Value	Explanation
1. Current Lamp Wattage	400	metal halide
2. Current Lamp Wattage w/ Ballast	480	7
3. New Lamp Wattage w/ Ballast	155	See New Lighting
6. Additional Watts Saved	10	
7. Total Watts Saved per lamp	335	
8. # of Lamps to Replace	40	
9. Total Energy Saved (Watts)	13,400	
10. Total Power Saved (kW)	13.4	Converted from Watts to Kilowatts
11. Hours of Use per Day	12	
12. Days of Use per Week	7	
13. Weeks of Use per Year	52	
14. Energy Saved per Month (kWh)	4,878	
15. Energy Saved per Year (kWh)	58,531	30000
15. Energy Cost per Kilowatt (.cents)	0.140	Commercial Electricity Rate in
16. Energy Cost Savings per Year	\$8,194	Subtract this from your Current Energy Bill
17. Maintenance Savings per Year	\$1,600	Maintenance Cost Ave. is \$40 per Old Lamp
18. Total Savings Per Year	\$9,794	
19. Initial Cost of Lighting	\$28,000	assume Maint to install
20. Initial Cost w/ Savings (Year 1)	\$18,206	
21. EPAct Summary Assumption 1	\$0	
22. Section 179 Assumption 2	\$0	
23. Energy Rebate 1	\$4,000	
24. Energy Rebate 2	\$0	\$.10 on-peak & \$.05 off-peak kWh saved
25. ADG Mfg. Rebate	\$0	
26. Total Rebates	\$4,000	
27. Initial Project Costs (Year 1)	\$28,000	
28. Total Savings & Rebates (Year 1)	\$13,794	
29. Final Cost of Lighting (Year 1)	\$14,206	
30. Payback Period (Years)	2.0	
31. Return on Investment (ROI)	49.3%	

New Lighting	
Type	Price (each)
Induction High Performance	



Case Study 092010 OPUSD GYM  
 64% energy Savings Daily  
 20 Years deferred Maintenance

