

# LED Lighting – Case Study

## Exterior Lighting

### Description of Work:

Energy Retrofit Co. helped **Rainin Instrument Co.** retrofit it's exterior lighting in Oakland, CA. The customer replaced 250W Shoebox and 26W CFL 8" Can lights with new **80W LED Shoebox and 24W LED 8" Can Retro Fixtures**, resulting in **72% energy savings** and much higher quality and safer light output.

**Rainin Instrument Co.** will save an estimated **\$4,850** annually in energy costs.

Notable exterior lighting projects include:

- Penske Auto Group
- City of Temecula
- Anaheim Convention Center
- Harden Ranch Plaza
- CBRE Industrial Group
- Lexus of Escondido
- Poway Unified Schools
- Cranbrook Group
- Doubletree Hotels
- Colusa Casino
- Thunder Valley Casino
- Paperworks Industries

LED Shoebox/LED  
8" Can Retro



This LED upgrade project resulted in

**72%**  
energy  
savings

**19**  
month  
payback

**20%**  
utility  
incentive

## Rainin Instrument Co

Oakland, CA



**After: 80W LED Shoebox**



**After: 24W LED 8" Can Retro**