GUSCO ENERGY

☐ **General Liability Insurance:**
Protects end user from subsequent damage from the installation

☐ **Errors and Omissions Insurance:**
Protects end user from faulty design on the project being installed.:

☐ **Pollution Liability Insurance:**
Protects end user form installer disposing of materials in an improper manner.

☐ **Bonding:**
Make sure the project is finished.

☐ **Electrical License:**
State is cracking down on school LED projects with out pulling a permit.

☐ **Photometric Design:**
Proves the fixtures provide the proper amount of light.

☐ **Controls:**
Facility will operate properly. You will gain full use of the lights. While dimming might not gain a quick payback the learning environment is greatly improved.

☐ **Proper selection of lights:**
Lighting fit for the area it is being used.

☐ **Previous Projects:**
What is their experience level?

☐ **How long in Business:**
Did they just start up to get a quick hit on a growing industry?

☐ **What is your payback:**
Electrical Usage Reduction, Maintenance, Utility Rebate.

Mitigate your risk with this checklist

School had LED tubes installed. Only about 25% of the tubes worked. Fine print in contract had the school covering the cost of new ballasts. Doubled the cost of the job.

Football stadium had their light replaced with LED. No photometrics or insurance provided. Field had 2 fc of light in the middle of the field. School still trying to figure out a fix.

School had a Prebid meeting to replace their lighting: None of the above was required by the superintendent. There was so much wrong with the design the request for bid was cancelled until further notice.

5 contractors: 2 did not understand basic control. Three did not have an Electrical License. None had any of the above except General Liability. **Be risk adverse.**

School put LED re-lamp out to bid, at 80% complete the lamps were failing already. Contractor received 50% down, 25% when started. Contractor walked away from the job. School hired 2nd place contractor to redo the job. **Cheap product sometimes is not the answer.**