



LED Light Technology, LLC
1004 Bay Tree Lane
Duluth, Georgia 30097
Dan@LEDLightTech.com

Tele: 770-559-0750
Fax: 770-783-8097
www.LEDLightTech.com

Information Survey for LED Fixture Replacement Indoor Lighting Applications

This document is intended to help perform a survey of the indoor area to be retrofit using LED based light fixtures. The information gathering is essential for LED Light Tech to provide a detailed proposal. Following your survey feedback, we will deliver a financial and energy saving analysis designed to motivate the change to LED based lighting.

You will need a light meter and camera.

Company Name _____

Location of Project _____

Customer Contact Name _____ Telephone _____

LED Light Tech Representative _____ Date _____

1. What type of fixture is currently being used?

- a. Brand _____
- b. Model number _____
- c. System input voltage (very important for correct power supply) _____
- d. Provide specs if possible _____
- e. How many fixtures by type will be needed? _____
- f. What was the purchase price of each fixture? _____
- g. Provide photo of fixture showing details such as lens, bulb and ballast if possible.

2. What is the energy rate paid per kilowatt hour?

- a. Found on the electrical bill from utility company _____
- b. Utility name _____

REQUEST COPY OF CURRENT UTILTIY BILL

3. How many hours annually are the lights on?

- a. 24/7 Example: equals $24 \times 365 = 8,760$
- b. 12/7 Example: equals $12 \times 365 = 4,380$
- c. 12/5 Example: equals $12 \times 260 = 3,120$

4. **Bulb information.**

- a. How many bulbs per fixture _____
- b. Current bulb replacement price _____
- c. Current hourly labor cost for bulb installation _____
- d. Bulb order code _____
- c. Average wattage used _____
- d. Brand _____
- e. Current bulb disposal fee _____
- f. Average rated life of bulb _____

5. **Ballast information.**

- a. How many ballasts per fixture? _____
- b. Current ballast replacement price _____
- c. Current labor cost for ballast installation _____
- d. Ballast order code _____
- e. Average wattage used _____
- f. Brand _____
- g. Model number _____
- h. Average rated life of ballast _____

6. **How is the existing lighting system maintained?**

- a. Replacement of bulbs and ballasts as they fail _____
- b. Replacement of bulbs and ballasts on a fixed schedule _____

7. **What is the application, i.e. Office, Data Center, Indoor Parking, Stairwell, Storage, Freezers, Other?**

- a. Please explain. _____
- _____
- _____
- _____

8. **What is the ambient environment?** Provide complete description of area and its use.

- a. Temperature ranges (is it air conditioned)? _____
- b. Dust or dirt _____
- c. Are there skylights? _____
- d. Are the fixtures subject to shock/vibration? _____
- e. Potential for moisture or direct contact with water, i.e. pressure washing? _____

9. **Spacing.**

- a. What is the spacing between fixtures on center? _____
- b. What is the spacing between rows of fixtures on center? _____

10. **What is the mounting height?**

- a. Distance from floor _____
- b. Distance from desktop _____

11. **What is the lighted space in dimension?**

Example: 100Ft Long X 50Ft Wide= 5,000 square feet.

a. _____

12. **What are the light levels or foot candle readings and at what height?**

a. **Take note**, ambient sun light will affect the actual foot candle reading of fixtures.

i. Directly under fixture. _____

ii. Between it and the next fixture. _____

13. **What are the desired light levels?**

a. Same as current _____

b. If different from current.

i. Directly under fixture _____

ii. Between it and the next fixture _____

14. **Is conformance to local codes or standards required? If so, what are they?**

a. For example, IEC (electrical equipment standards) or CIE (performance standards).

15. **What are the average maintained illuminance or luminance requirements?**

16. **Are there any uniformity requirements?**

a. Average/Minimum _____

b. Maximum/Minimum _____

c. Longitudinal Uniformity _____

17. **What color temperature of white is required for the application?**

a. Warm White-2,700 to 3,500 degrees Kelvin Temperature

b. Neutral White-3,500 to 5,000 degrees Kelvin Temperature

c. Cool White-5,000 to 10,000 degrees Kelvin Temperature

18. **What is the project timing? Please provide dates if possible.**

a. When does the customer need a proposal? _____

b. When will the customer need the fixtures? _____

19. **What is the primary motivation to change the current lighting system?**

a. Longer lifetime light source _____

b. Less maintenance costs _____

c. Lower energy bills _____

d. All of the above _____

20. **Assume we meet all performance criteria, energy savings, light output, and return on investment/payback will the customer place an order?**

- a. Today? _____
- b. This month? _____
- c. Six months? _____

21. **If no PO today will you provide a letter of intent to purchase?** _____

Please include below any other information that you think is relevant to the project.
