

# Business Lighting: quick reference guide

## 2022 Business Lighting program

### Incentives paid at:

- \$0.25 per kWh (fixtures and kits)
- \$0.35 per kWh (fixtures with controls)
- \$75 additional bonus per each LLLC fixture (see definition) plus the \$0.35 per kWh
- \$0.17 per kWh (components)
- \$4 per TLEDS (type A, B and C)
- Up to 70% of installed costs
- Exterior Network Lighting Control: \$75 per fixture bonus
- All projects must be approved before any work is started
- Projects over 25,000 kWh require photo pre and post installation verification
- Projects up to 100,000 kWh in savings may be subject to a pre and/or post inspection
- Projects over 100,000 kWh in savings require a pre and post inspection

## How to apply



- Complete the 2022 Business Lighting application available at: [pse.com/businesslighting](https://pse.com/businesslighting)
- Have customer sign application
- Email application as an Excel file to [businesslighting@pse.com](mailto:businesslighting@pse.com)
- Include PDFs of: signed signature page, specification sheets for all fixtures/lamps, signed IRS form: 2018 W-9 form
- Wait for approval before starting work (signed grant documents)

## Definition: Lighting components

LED module(s), driver(s), sockets, etc. that are individually field-installed and not wired together and assembled by a lighting manufacturer.

## Definition: LLLC fixture

### (Luminaire Level Lighting Control)

The LLLC bonus is available for daylighted spaces in Open Office, Private Office, Conference Rooms, Classrooms and Top-Lighted Warehouses.

An interior lighting system consisting of one or more luminaires where each luminaire has both an integral occupancy and daylight sensor with wireless networking capabilities and embedded lighting control logic. The system shall also have the capability to allow the user to turn the system off.

## LED fixtures and lamp qualification:

All LED fixtures and lamps must meet PSE specifications with the following REQUIRED listed on the manufacturers specification sheet or combination of specification sheet and LM79:

1. UL or ETL listing
2. Power Factor > 0.9
3. Manufacturer's warranty > 5 years
4. Recommended CRI ratings:
  - LED Interior Fixtures: > 80 CRI, except > 70 CRI for High and Low Bay fixtures in warehouse and industrial/manufacturing facilities
  - LED Exterior and Parking Garage fixtures: > 65 CRI
  - HID to LED replacement Lamps: > 75 CRI
  - CFL to LED pin base replacement Lamps: > 80 CRI
  - TLED: > 80 CRI
  - No CRI recommendation for Specialty LED fixtures (Grow Lights and Theatrical fixtures)
5. PSE reserves the option of requiring LM79 or LM80 for any fixture.

## Photo/video verification:

1. Photos or videos must provide substantial evidence of pre/post project conditions.
2. Photos or videos shall include a general shot of each space/area, showing the lights, along with closeup shots of each unique light fixture.
3. Verification may include a virtual site visit through video conferencing apps.

## Invoice requirements:

The invoice(s) submitted, as PDFs only, must have the following breakdown that matches the signed grant as well as the workbook:

1. Quantity, manufacturer and model number of each different light fixture (unit pricing not required)
2. Materials subtotal
3. Labor subtotal
4. Misc items subtotal
5. Tax
6. Invoice total (before PSE incentive)

Should there be any change to the project (change of fixtures, wattage or quantities) than what the grant states, please notify PSE before the project work has been completed. Otherwise, there is a risk of the incentive not being fully paid.

## LLLC requirements:

1. The LLLC bonus is available for daylighted spaces in open office, private office, conference rooms, classrooms and top-lighted warehouses.
2. LLLC projects require three inspections: pre-inspection, post-install inspection, and 45 days after final set-up.
3. Two grants will be created for the LLLC project. One for the base incentive and the second for the LLLC Bonus.
4. The LLLC controls require initial startup programming which includes: occupancy sensors set to turn the lights off, daylight sensors to dim, high end trims set, and fixtures grouped together to work with the space and the occupants. This startup programming can be done by either the contractor installing the fixtures, the owner, the owners representative or a third party.