

Commercial Lighting Solutions

Existing Conditions Baseline

Are you doing a re-design or retrofit? You can compare your energy savings against your existing lighting system by creating an Existing Conditions Baseline. You'll need to gather the information about the existing lighting system to establish your current energy use.

What you will need:

- Building hours of operation (weekdays and weekends)
- Floor Area
- Building location (state)
- Luminaire quantity per space type
- Lighting control types, including luminaire quantities controlled*
- Luminaire mounting type* and input wattage
- Light source*, lamp type*, number of lamps for each luminaire*
- Ballast type*, ballast factor*, number of ballasts*
- Daylighting system specifications* (optional; for daylight harvesting savings assumptions)
 - Window area and orientation
 - Length of window walls
 - Visible transmittance (VT) of glazing

Energy Estimate

Enter your actual project information and the Energy Estimator will provide you with a much more detailed estimate of your project energy savings.

What you will need:

- Building hours of operation (weekdays and weekends)
- Floor Area (found on floorplans)
- Building location (state)
- Energy code baseline (find your local code at <http://www.energycodes.gov/states/>) OR
- Existing Conditions Baseline (see above)
- Luminaire quantity per space type (found on electrical plans)
- Lighting control types, including luminaire quantities controlled* (electrical plans)
- Luminaire mounting type* and input wattage (found on luminaire schedule)
- Light source*, lamp type*, number of lamps for each luminaire* (luminaire schedule)
- Ballast type*, ballast factor*, number of ballasts* (found on luminaire schedule)
- Daylighting system specifications* (optional; for daylight harvesting savings assumptions)
 - Window area and orientation
 - Length of window walls
 - Visible transmittance (VT) of glazing

*These fields are optional. The Existing Conditions Baseline and Energy Estimate were designed to be flexible to meet the needs of your project.

There is space to include all of the information that you will need if you are participating in a utility incentive program that is component-based (luminaire mounting type, light source, lamp type, number of lamps per luminaire, ballast type, ballast factor, number of ballasts). The information that you include will be summarized in the downloads provided. For example, if you are applying for a lamp incentive, you do not have to include the ballast information unless it helps you organize your project.

If you are participating in a custom or performance-based incentive program through your utility, you will not need to provide every detail about your equipment, but will need to assign controls to the appropriate luminaires and include daylight inputs for spaces with the daylight harvesting system. This information is required to generate an accurate kWh savings estimate. To save you time, you do not need to provide all of this detail in a component-based incentive program.