



## LIGHTING MEASURES

This Equipment Catalog describes the eligibility requirements and rebate amounts for qualifying equipment under SRP's FY10 PowerWise Standard Business Solutions program. It also includes instructions on how to complete the Rebate Application and information regarding any required additional documentation. SRP's PowerWise Standard Business Solutions provides rebates for many types of energy efficient technologies. Please read the following sections carefully to ensure that you purchase and install qualifying equipment.

In order to be eligible for rebates through the PowerWise Standard Business Solutions program all equipment must meet the following requirements:

- Equipment must be purchased on or after May 1, 2009.
- Equipment must be new and installed in a manner that meets or exceeds code regulations.
- Replaced equipment must be disposed of in accordance with local, state, or federal codes and regulations and cannot be re-installed elsewhere.

Pre-qualification of eligible measures under the PowerWise Standard Business Solutions program is **required** for Retrofit Lighting Equipment and occupancy sensors. Additional eligibility and submittal requirements for lighting measures are outlined in this Equipment Catalog.

Rebates for additional measures may be available. For more information about PowerWise Standard Business Solutions, eligibility requirements, rebate levels, other SRP energy efficiency programs, or general inquiries, contact a participating SRP Alliance Contractor. You can also visit the program's Web site at [srpnet.com/powerwisebiz](http://srpnet.com/powerwisebiz), email us at [PowerWiseStandardBusinessSolutions@srpnet.com](mailto:PowerWiseStandardBusinessSolutions@srpnet.com), or contact the PowerWise Business Solutions hotline at 602-236-3054.

## LIGHTING

**Measure Description:** The PowerWise Standard Business Solutions program offers rebates for qualifying lighting equipment. The eligibility requirements and rebate levels for lighting equipment are described below.

**Applicability:** Rebates are available for lighting equipment installed as part of a new construction or retrofit project. *Lighting retrofit projects must submit a Retrofit Lighting Workbooks prior to equipment purchase and installation.*

**Equipment Eligibility:** Lighting equipment that results in a verifiable installed demand reduction is eligible for a rebate. Lighting fixtures must operate during peak hours. Peak hours are defined as weekday afternoons between May 1 and October 31. The following restrictions apply:

### Lighting Retrofits:

- T8 or T5 fluorescent lamps replacing existing fixtures must be rated at 80 CRI or higher and 90 lumens or higher per watt with ballasts having a power factor of at least 0.9 and a total harmonic distortion of less than 20%.
- HID fixtures are eligible if they are ceramic metal halides.
- Retrofits involving de-lamping are eligible provided that the capability to re-install additional lamps into a fixture is removed and accompanied by an upgrade to new qualifying lighting equipment.

Lighting New Construction:

- T8 or T5 fluorescent lamps replacing existing fixtures must be rated at 80 CRI or higher and 90 lumens or higher per watt with ballasts having a power factor of at least 0.9 and a total harmonic distortion of less than 20%.
- The lighting project must produce a 10% installed demand reduction from ASHRAE 90.1-2004 lighting power density specifications by building type as described in Table L-1. A New Construction Lighting Workbook must be submitted for each affected building.

Ineligible Measures:

- Screw-in compact fluorescent lamps are not eligible for rebates.
- Standard metal halide or any high pressure sodium lighting fixtures are not eligible in retrofit projects.

**Items to submit with Rebate Application:** 1. Dated sales receipt/invoice including material and labor  
2. Evidence of facility square footage (new construction only)

**Instructions for Rebate Application:** The application for lighting technologies is *not* the same as the application for motors, drives, and HVAC equipment. Lighting projects require the submittal of a Lighting Workbook which can be downloaded from the SRP website ([srpnet.com/powerwisebiz](http://srpnet.com/powerwisebiz)) or obtained by contacting the Program Administrator or a participating Alliance Contractor. Follow the instructions accompanying the spreadsheet to determine the demand reduction and rebate amount expected from your lighting project.

**Measure Rebate:** Rebates for lighting equipment are paid at \$250.00 per kilowatt (kW) of reduced demand. The baseline lighting power densities for new construction lighting projects are shown in Table L-1.

**Table L-1. Baseline Lighting Power Densities for New Construction Measures**

Building Area Type	W/ft <sup>2</sup>	Building Area Type	W/ft <sup>2</sup>
Automotive Facility	0.9	Multi-Family	0.7
Convention Center	1.2	Museum	1.1
Court House	1.2	Office	1.0
Dining: Bar Lounge/Leisure	1.3	Parking Garage	0.3
Dining: Cafeteria/Fast Food	1.4	Penitentiary	1.0
Dining: Family	1.6	Performing Arts Theater	1.6
Dormitory	1.0	Police/Fire Station	1.0
Exercise Center	1.0	Post Office	1.1
Gymnasium	1.1	Religious Building	1.3
Healthcare-Clinic	1.0	Retail	1.5
Hospital	1.2	School/University	1.2
Hotel	1.0	Sports Arena	1.1
Library	1.3	Town Hall	1.1
Manufacturing Facility	1.3	Transportation	1.0
Motel	1.0	Warehouse	0.8
Motion Picture Theater	1.2	Workshop	1.4

## OCCUPANCY SENSORS

**Measure Description:** Lighting occupancy sensors can reduce electrical energy consumption by turning off lighting equipment when occupants are not present.

**Applicability:** New construction and retrofit installations, where not required by ASHRAE 90.1-2004, are eligible.

**Equipment Eligibility:** Must be permanently installed. Occupancy sensors may be wall, fixture, or ceiling-mounted. Occupancy sensors must be passive infrared, ultrasonic, or dual technology sensors.

**Items to submit with Rebate Application:**

1. Dated sales receipt/invoice
2. Manufacturer's equipment specification sheet demonstrating compliance with equipment eligibility requirements

**Instructions for Rebate Application:** The application for lighting technologies is *not* the same as the application for motors, drives, and HVAC equipment. Lighting projects require the submittal of a Lighting Workbook which can be downloaded from the SRP website ([srpnet.com/powerwisebiz](http://srpnet.com/powerwisebiz)) or obtained by contacting the Program Administrator or a participating Alliance Contractor. Follow the instructions accompanying the spreadsheet to enter the number of eligible occupancy sensors installed and identify the affected lighting circuit(s) and equipment.

**Measure Rebate:** Rebate amounts for qualifying occupancy sensors is \$30.00 per unit or unit system.