

LOW WATTAGE T8 SAVINGS CALCULATOR

REPLACE WITH 28W LAMPS

| | Hours of Operation | Bulbs/ Fixture | Watt Reduction /Fixture | Annual Savings/ Fixture* | Annual Savings 500 Fixtures | Annual Savings 1000 Fixtures |
|-----------------------|--------------------|----------------|-------------------------|--------------------------|-----------------------------|------------------------------|
| OFFICE BUILDING | 3432 | 2 | 8 | \$2.20 | \$1,098.24 | \$2,196.48 |
| | 3432 | 3 | 12 | \$3.29 | \$1,647.36 | \$3,294.72 |
| | 3432 | 4 | 16 | \$4.39 | \$2,196.48 | \$4,392.96 |
| SCHOOLS (K-12) | 2990 | 2 | 8 | \$1.91 | \$956.80 | \$1,913.60 |
| | 2990 | 3 | 12 | \$2.87 | \$1,435.20 | \$2,870.40 |
| | 2990 | 4 | 16 | \$3.83 | \$1,913.60 | \$3,827.20 |
| RETAIL (GROCERY) | 5824 | 2 | 8 | \$3.73 | \$1,863.68 | \$3,727.36 |
| | 5824 | 3 | 12 | \$5.59 | \$2,795.52 | \$5,591.04 |
| | 5824 | 4 | 16 | \$7.45 | \$3,727.36 | \$7,454.72 |
| RETAIL (DRUG STORE)** | 4368 | 2 | 8 | \$2.80 | \$279.55 | \$419.33 |
| | 4368 | 3 | 12 | \$4.19 | \$419.33 | \$628.99 |
| | 4368 | 4 | 16 | \$5.59 | \$559.10 | \$838.66 |

REPLACE WITH 25W LAMPS

| | Hours of Operation | Bulbs/ Fixture | Watt Reduction /Fixture | Annual Savings/ Fixture* | Annual Savings 500 Fixtures | Annual Savings 1000 Fixtures |
|-----------------------|--------------------|----------------|-------------------------|--------------------------|-----------------------------|------------------------------|
| OFFICE BUILDING | 3432 | 2 | 14 | \$3.84 | \$1,921.92 | \$3,843.84 |
| | 3432 | 3 | 21 | \$5.77 | \$2,882.88 | \$5,765.76 |
| | 3432 | 4 | 28 | \$7.69 | \$3,843.84 | \$7,687.68 |
| SCHOOLS (K-12) | 2990 | 2 | 14 | \$3.35 | \$1,674.40 | \$3,348.80 |
| | 2990 | 3 | 21 | \$5.02 | \$2,511.60 | \$5,023.20 |
| | 2990 | 4 | 28 | \$6.70 | \$3,348.80 | \$6,697.60 |
| RETAIL (GROCERY) | 5824 | 2 | 14 | \$6.52 | \$3,261.44 | \$6,522.88 |
| | 5824 | 3 | 21 | \$9.78 | \$4,892.16 | \$9,784.32 |
| | 5824 | 4 | 28 | \$13.05 | \$6,522.88 | \$13,045.76 |
| RETAIL (DRUG STORE)** | 4368 | 2 | 14 | \$4.89 | \$489.22 | \$733.82 |
| | 4368 | 3 | 21 | \$7.34 | \$733.82 | \$1,100.74 |
| | 4368 | 4 | 28 | \$9.78 | \$978.43 | \$1,467.65 |

*Assumes energy cost of \$.08/kWh

**Savings for retail drug store are for 100 and 150 fixtures

SAVINGS CALCULATOR FORMULA:

Watt Reduction

$$= 4 \text{ (if switching to 28W) OR } 7 \text{ (if switching to 25W) } \times \text{ [#] Lamps per Fixture}$$

kWh Saved per Fixture per Year

$$= \frac{\text{[Hours of Operation]} \times \text{[Watt Reduction]}}{1,000}$$

\$ Saved per Fixture per Year

$$= \text{[kWh Saved per Fixture per Year]} \times \text{Cost per kWh}$$

\$ Saved per Year

$$= \text{[$ Saved per Fixture per Year]} \times \text{[# of Fixtures]}$$