

2008 Green Building Requirement – Single Family

- **High Efficacy Lighting:**
At least 75% of lamps must be Energy Star-compliant
 - Medium base (screw-in) allowed
 - Includes exterior lighting permanently attached to building.
 - Additional points available for 90% high-efficacy lighting, E-star luminaires



2008 Green Building Requirement – Multifamily

- High use areas of dwelling units - 50% of lamps or three luminaires must be Energy Star compliant



- Residential common areas must have 25% E-star lamps
- In other areas of the building (i.e., retail) lighting must better Austin's code requirements by 15%



2008 Green Building Requirement – Commercial

- **Lighting:** At least 15% more efficient than required by 2006 IECC
- Additional points for further reductions in energy use
- Requirements to reduce light pollution from exterior lighting.
- Austin amendment requires use of time controls for exterior lighting



2006 IECC – Residential (Chapter 4)

Austin Amendments

- **High Efficacy Lighting:**

At least 25% of lamps must be high-efficacy (Energy Star-compliant)

- Medium base (screw-in) allowed
- Closets, under cabinet lighting not included in calculation



2009 IECC – Residential (Chapter 4) Effective in 2010

- **High Efficacy Lighting:**

At least 50% of lamps must be high-efficacy (uses same efficacy standards as in current Austin amendment)

- Lighting designers offered amendment to require high-efficacy luminaires, but it was not adopted



2012 and Beyond

- Fluorescent and solid state technology will largely replace incandescents
- Efficacies of 100 l/w or greater will be common
- Controls (vacancy sensors, daylighting) will reduce energy use even further.
- Smaller dwelling units will require less installed lighting

