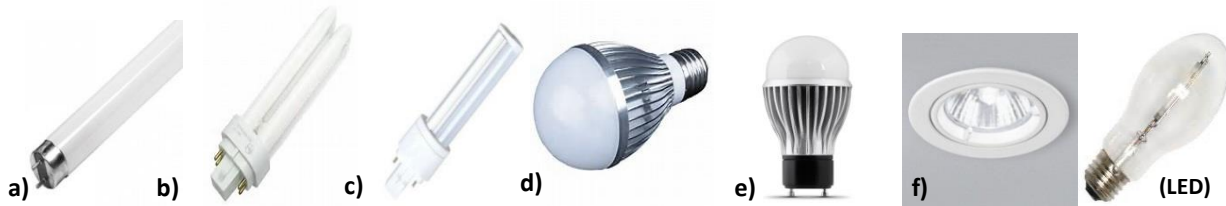


2016 Title 24 Energy requirements for single-family lighting and controls

1. **All hardwired luminaires** (light fixtures) must have readily accessible manual ON/OFF controls and be:

High Efficacy Luminaires	JA8 High Efficacy Lighting-Lamps and Light Sources that must be JA8-certified	Recessed Downlight Luminaires in Ceilings
<ul style="list-style-type: none"> a) Pin-based linear fluorescent b) Pin-based compact fluorescent c) Pulse-start metal halide d) High pressure sodium e) GU-24 other than LEDs <ul style="list-style-type: none"> • Inseparable SSL luminaires installed outdoors • Inseparable SSL luminaires with colored light sources for decorative lighting purpose 	<ul style="list-style-type: none"> f) Light sources in ceiling recessed downlight luminaires <ul style="list-style-type: none"> • LED luminaires with integral sources • Screw-based LED lamps(A-lamps, PAR lamps, etc.) • Pin-based LED lamps (MR-16, AR-111, etc.) • GU-24 based LED light source • Any source or luminaire not listed elsewhere on this table 	<ul style="list-style-type: none"> • Shall not have screw based sockets • Shall contain JA8-certified light sources • Shall meet all performance requirements §150.0(k) 1C



2. All **garages, laundry rooms, bathrooms and utility** rooms must have at least one luminaire with
- Manual on-manual off with auto off (vacancy sensors)
3. **All JA8 lamps/luminaires** (other than hallways, or in closets less than 70 ft²) must have either:
- Dimmers
 - Manual on-manual off with auto off (vacancy sensors)
4. **All enclosed luminaires** must have light source with JA8-2016-E label
5. **All recessed downlights** must have all of the following:
- JA8-2016-E label
 - No screw-in bulbs
 - caulked or gasketed
 - UL listed for zero clearance insulation contact (IC)
 - Label certifying luminaire is airtight (AT) 2.0 cfm
 - Any ballasts must be readily accessible for maintenance
6. **Exhaust fans** must be switched separately from lights.
7. **Night lights** must be 5W max.
8. **Blank electrical** boxes over 5' high:
- No more than the number of bedrooms
 - Must have either a dimmer, vacancy sensor or fan speed control
9. **Outdoor Lighting** - All luminaires mounted to the building or onto other buildings on the same lot shall be high efficacy or JA8 labelled luminaires and must be have both manual on/off and controlled by either:
- Photocontrol and motion sensor
 - Photocontrol and automatic time switch
 - Astronomical time clock that turns lights off during daylight
 - Energy management control system