

Summary Table of Residential Lighting Standards

Location	Title 24 Requirements (Effective Oct. 1, 2005)				Application Notes
Kitchen	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation cover (IC) and certified airtight (AT) ASTM E283	Control all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. At least 50% of total wattage in kitchen must be high efficacy. Low efficacy fixtures may be installed but not to exceed 50% of total wattage in kitchen area.
Bathroom Garage Laundry Room Utility Room	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation cover (IC) and certified airtight (AT) ASTM E283	Control all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON, automatic-OFF.
All other interior rooms (i.e. Hallway, Dining Room, Bedroom)	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation cover (IC) and certified airtight (AT) ASTM E283	Control all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON, automatic-OFF OR if they are equipped with a dimmer switch
Outdoor lighting attached to buildings or on same lot	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation cover (IC) and certified airtight (AT) ASTM E283	Control all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with a motion sensor that also includes a photo control to turn off fixtures during daytime.
Common areas of low rise residential buildings (4 or more dwelling units)	All Hardwired lighting must be High Efficacy (see application notes for options)	Electronic Ballasts for all fluorescent lamps rated 13 watts or greater	Recessed luminaires in all insulated ceilings approved for zero-clearance insulation cover (IC) and certified airtight (AT) ASTM E283	Control all high efficacy lighting separate from low efficacy lighting	High efficacy fixtures meet requirements. Low efficacy fixtures may be installed but only if they are equipped with an occupancy sensor that is manual-ON and automatic OFF.

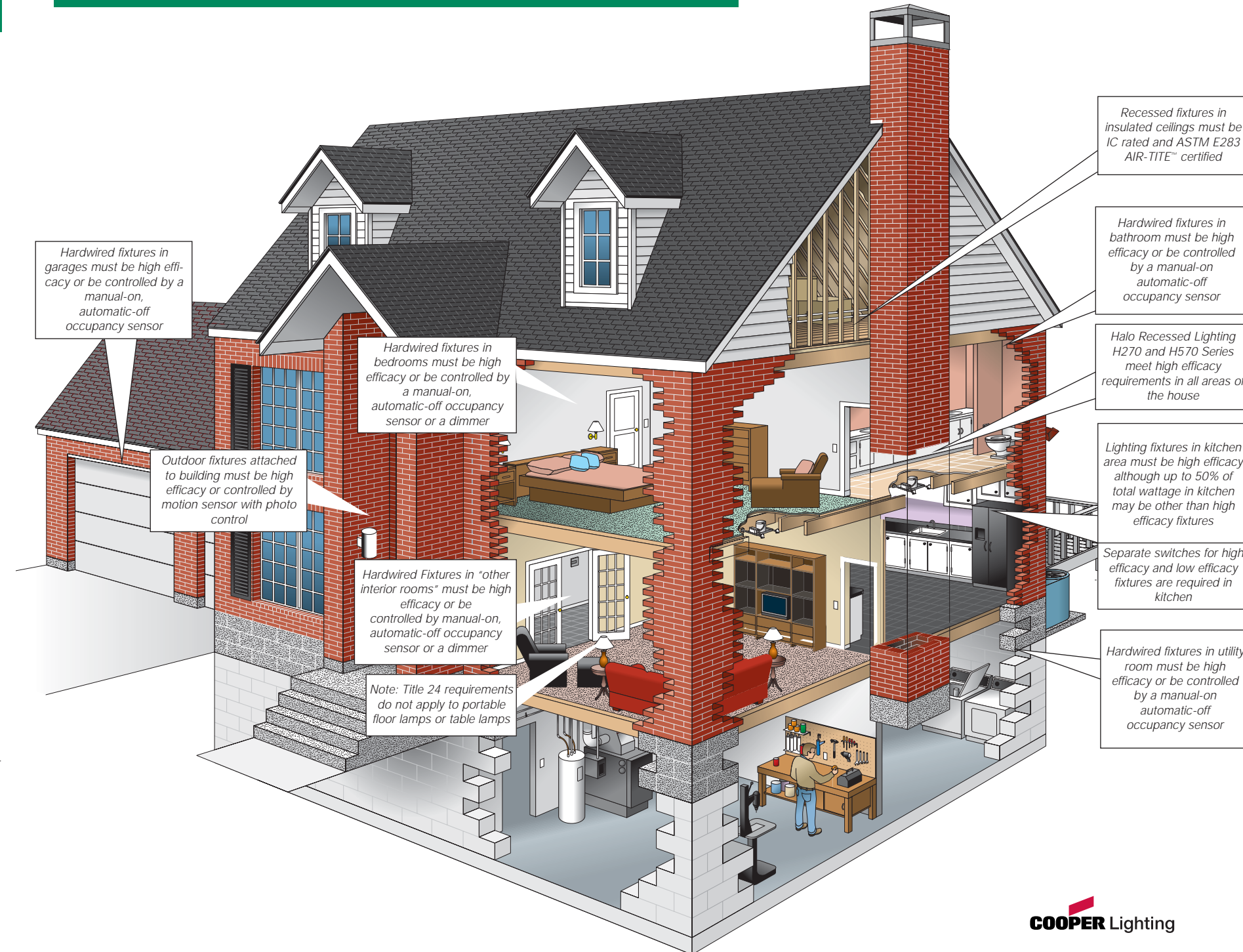
HIGH EFFICACY FIXTURES

Lamp Power	Minimum Efficacy Lumens per Watt	Compliant Indoor Lamps	Compliant Outdoor Lamps
15 Watts or less	40 LPW	<ul style="list-style-type: none"> Compact Fluorescent Fluorescent 	<ul style="list-style-type: none"> Metal Halide • HPS Compact Fluorescent
15 to 40 Watts	50 LPW	<ul style="list-style-type: none"> Compact Fluorescent Fluorescent 	<ul style="list-style-type: none"> Metal Halide • HPS Compact Fluorescent
> 40 Watts	60 LPW	<ul style="list-style-type: none"> Compact Fluorescent Fluorescent 	<ul style="list-style-type: none"> Metal Halide • HPS Compact Fluorescent

Notes:

- High efficacy luminaires may not contain medium screw base sockets. Exception: outdoor metal halide or high pressure sodium high intensity discharge luminaires with electromagnetic ballast may have medium screw base sockets if minimum efficacy and motion sensor/ photo control requirements are met.
- Indoor Ballasts for lamps 13 watts or greater must be electronic.
- Halo GA-ATTRIM gasket kit available for AIR-TITE trims to meet California Title 24 (order separately).
- Halo housings include the T24 Code required gasket between the housing and ceiling. Gaskets to seal the aperture at the finished ceiling are also available: 6" housings GA-ATH7-6PK; 5" Housings GA-ATH5-6PK (order separately).

Title 24 Requirements for Residential Lighting



HALO



NEW

Fluorescent Dimming from Halo

Recessed Lighting California Title 24 Summary Residential Lighting Standards



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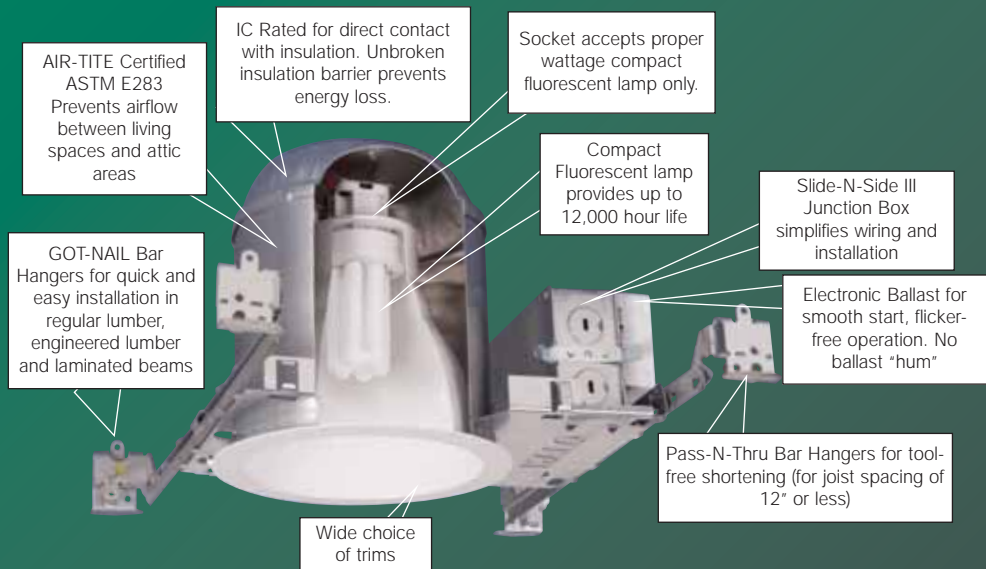
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Halo Energy Star Recessed Housings

Halo offers a line of 5" and 6" Energy Star qualified housings that can reduce energy consumption while providing generous light output with pleasing color temperatures.

- Meets all applicable requirements of California Title 24.
- Housings are IC rated for direct contact with insulation.
- Air-Tite construction prevents airflow between attic and living areas
- All housings include an electronic compact fluorescent ballast.
- A wide choice of trims allows for the creation of different lighting effects in different areas with one basic housing.
- Installation is quick and easy with exclusive Halo GOT NAIL bar hangers, Slide-N-Side junction box and a choice of remodel housings for retrofit applications.



Halo 5" and 6" Recessed Housings



	New Construction	Remodel	Wattage/Type	Generic Lamp ID	Color Temp
5"	H570ICAT	H570RICAT	13W DTT Quad 13W TTT Triple	CFQ13W/G24q CFTR13W/Gx24q	/827/830/835/841
	H571ICAT	H571RICAT	18W DTT Quad 18W TTT Triple	CFQ18W/G24q CFTR18W/Gx24q	/827/830/835/841
	H572ICAT	H572RICAT	26W DTT Quad 26W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q	/827/830/835/841
6"	H573ICAT1D	H573RICAT1D	26W DTT Quad 26W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q	/827/830/835/841
	H270ICAT	H270RICAT	13W DTT Quad 13W TTT Triple	CFQ13W/G24q CFTR13W/Gx24q	/827/830/835/841
	H271ICAT	H271RICAT	18W DTT Quad 18W TTT Triple	CFQ18W/G24q CFTR18W/Gx24q	/827/830/835/841
	H272ICAT	H272RICAT	26W DTT Quad 26W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q	/827/830/835/841
	H273ICAT1D	H273RICAT1D	26W DTT Quad 26W TTT Triple 32W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q CFTR32W/GX24q	/827/830/835/841

IRIS LIGHTING SYSTEMS

IRIS Lighting Systems provide architectural lighting for the home. These Energy Star and Title 24 Qualified specification grade recessed luminaires are available with several lamp and trim choices.

- High wattage compact fluorescent with 26W, 32W or 42W
- 50° lamp and lamp image cutoff provides glare-free lighting
- Trims for general, wall wash and shower lighting applications

Cat. No.	Wattage/Type	Generic Lamp ID	Color
7"	P732ICAT 26W TTT	CFTR26W/GX24q	/827/830/835/841
	32W TTT	CFTR32W/GX24q	/827/830/835/841
	42W TTT	CFTR42W/GX24q	/827/830/835/841
5"	P532ICAT 26W TTT	CFTR26W/GX24q	/827/830/835/841
	32W TTT	CFTR32W/GX24q	/827/830/835/841



Energy Star / Title 24 Compact Fluorescent Dimming

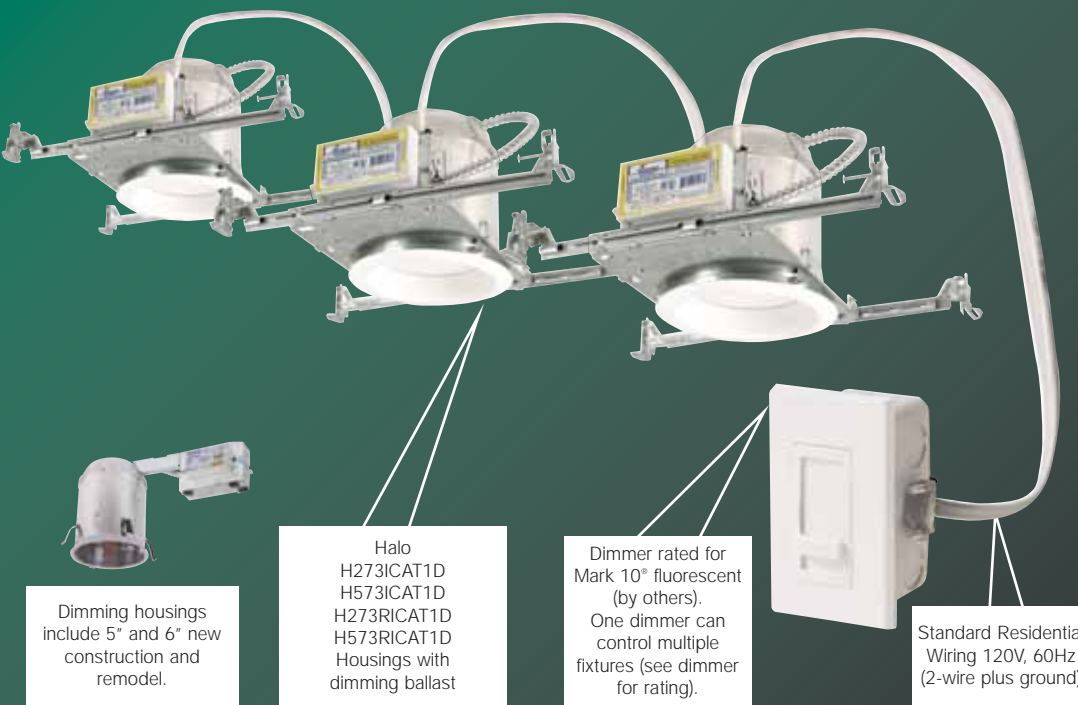
Enjoy the Comfort of Full Range Dimming with a Title 24 Compliant, Energy Star Qualified, Compact Fluorescent Recessed Downlight

Housing Features include:

- 26W or 32W compact fluorescent lamps for 6" housings
- 26W compact fluorescent lamps for 5" housings
- Double Twin Quad Tube (DTT) or Triple Twin Tube (TTT) lamps
- TTT lamps recommended. Check trim listings for lamp compatibility.
- 100% to 15% dimming range with recommended dimmers
- New construction and remodel housings
- Standard residential wiring (2 wire plus ground e.g. NM14/2 or NM12/2)

DIMMING MODELS

New Construction	Remodel	Aperture	Wattage/Type	Generic Lamp ID	Color Temp
H573ICAT1D	H573RICAT1D	5"	26W DTT Quad 26W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q	/827/830/835/841
H273ICAT1D	H273RICAT1D	6"	26W DTT Quad 26W TTT Triple 32W TTT Triple	CFQ26W/G24q CFTR26W/Gx24q CFTR32W/Gx24q	/827/830/835/841



Recommended Dimmers

- For compatible Lutron fluorescent dimmers go to <http://www.lutron.com/advance> and refer to the listing for "Mark X" dimmers
- For compatible Leviton fluorescent dimmers go to <http://www.leviton.com> >Lighting Controls >Residential >Dimmers. Then browse for "Mark X" dimmers, or Call Leviton Tech Line at 1-800-824-3005 and ask for "Mark 10" wall dimmers
- For a list of other manufacturers of "Mark 10" rated fluorescent dimmers go to the Advance Mark 10 website at <http://www.advancetransformer.com/products/fluorescent-electronic.jsp?pbid=37>

Trims for 6" Housings

6"

H270ICAT - 13W
H271ICAT - 18W
H272ICAT - 26W
H273ICAT1D - 26/32W
6" New Construction

H270RICAT - 13W
H271RICAT - 18W
H272RICAT - 26W
H273RICAT1D - 26/32W
6" Remodel

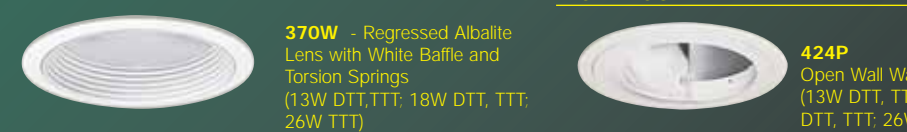
Reflectors for 6" Housings



Lenses/ Shower Lights for 6" Housings



Wall Wash Trim



DTT = Double Twin Tube (Quad) Compact Fluorescent Lamp *32W lamp for use with H273ICAT1D only
TTT = Triple Twin Tube Compact Fluorescent Lamp

Trims for 5" Housings

5"

H570ICAT - 13W
H571ICAT - 18W
H572ICAT - 26W
H573ICAT1D - 26W

H570RICAT - 13W
H571RICAT - 18W
H572RICAT - 26W
H573RICAT1D - 26W

5" New Construction

Reflectors for 5" Housings



Baffles for 5" Housings



Wall Wash for 5" Housings



Lens/Shower Lights for 5" Housings

