



**Pueblo Regional Building Department
830 N Main St. Suite 100
Pueblo CO 81003
719-543-0002 fax 719-543-0062**

www.prbd.com

2021 International Energy Conservation Code Residential Requirements

Interior Lighting

2021 IECC: 100% permanent lighting shall be high efficacy.

- Does not impact plug-in lighting sources like floor and desk lamps.

Interior Lighting Controls

Permanently installed fixtures shall have dimmer, occupant sensor control, or other control installed or built into the fixture.

Exceptions include:

- Bathrooms
- Hallways
- Exterior lighting fixtures*
- Lighting for safety and security

Exterior lighting Controls

Permanently installed outdoor lighting > 30 watts total power, are required to turn off with adequate daylight.

- Can be photocell or time clock.
- Override permitted up to 24 hrs.
- Must then return to automatic operation.

See referenced 2021 IECC - Section R404 on page 2

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

R404.1 Lighting equipment. All permanently installed lighting fixtures, excluding kitchen appliance lighting fixtures, shall contain only high-efficacy lighting sources.

R404.1.1 Exterior lighting. Connected exterior lighting for residential buildings shall comply with Section C405.5.

Exceptions:

1. Detached one- and two- family dwellings.
2. Townhouses.
3. Solar-powered lamps not connected to any electrical service.
4. Luminaires controlled by a motion sensor.
5. Lamps and luminaires that comply with Section R404.1.

R404.1.2 Fuel gas lighting equipment. Fuel gas lighting systems shall not have continuously burning pilot lights.

R404.2 Interior lighting controls. Permanently installed lighting fixtures shall be controlled with either a dimmer, an occupant sensor control or other control that is installed or built into the fixture.

Exception: Lighting controls shall not be required for the following:

1. Bathrooms.
2. Hallways.
3. Exterior lighting fixtures.
4. Lighting designed for safety or security.

R404.3 Exterior lighting controls. Where the total permanently installed exterior lighting power is greater than 30 watts, the permanently installed exterior lighting shall comply with the following:

1. Lighting shall be controlled by a manual on and off switch which permits automatic shut-off actions.

Exception:

1. Lighting serving multiple *dwelling units*.
2. Lighting shall be automatically shut off when daylight is present and satisfies the lighting needs.
3. Controls that override automatic shut-off actions shall not be allowed unless the override automatically returns automatic control to its normal operation within 24 hours.