

Title 20 California State Appliance Energy Regulation

Frequently Asked Questions

Metal Halide Ballast Efficiency Requirements



1. What is Title 20 and how does it concern me?

- a. Title 20 is an existing California state appliance efficiency regulation that has broad-reaching implications aimed at the reduction of energy consumption, reduced dependence on oil and strategies for addressing global climate change. A portion of this law mandates the efficiency of indoor and outdoor metal halide luminaires, 150W – 500W, into the state of California. An update to these regulations goes into effect January 1, 2010.
- b. California's Title 20 aims to reduce the energy consumption of metal halide luminaires that are rated to operate from 150W – 500W and manufactured after January 1, 2010, and allows four primary paths to compliance:
 1. The use of lamps from specific wattage bins:
 - a. 150-160 watts; or
 - b. 200-215 watts; or
 - c. 290-335 watts; or
 - d. 336-500 watts rated for 80 lumens per watt or higher
 2. Integrated motion sensor and high-low control
 3. Integrated daylight sensor and high-low control (indoor only)
 4. High efficiency ballasts with a minimum efficiency of:
 - a. 90% for 150W – 250W lamps
 - b. 92% for 251W – 500W lamps

2. What products, families and brands are affected?

- a. Lithonia Lighting®, Holophane®, Antique Street Lamps™, American Electric Lighting®, Gotham®, Hydrel® and Tersen™.
- b. All indoor and outdoor products rated for use with 150W – 500W metal halide lamps and sold or offered for sale in California.

3. What is the effective date?

- a. Updated regulations are effective on January 1, 2010. After this date, non-compliant luminaires may not be sold or offered for sale for use in California.
- b. All metal halide luminaires 150W-500W, manufactured prior to January 1, 2010, can be sold and installed in the state of California provided they utilize an 88% efficient ballast.

4. How does this affect pricing?

These energy-efficient technologies have been available, generally as an option or an upgrade, for some time. These luminaires cost more to manufacture due to additional components, wiring and increased material costs. In some cases, Title 20 compliance has further increased material costs over previously offered solutions. The actual cost difference is dependent on the wattage and features desired. The energy savings to end users offset the incremental price. Please consult your Acuity Brands Lighting sales representative for pricing.

5. How do I specify compliant product?

- a. Acuity Brands Lighting is committed to compliance with state regulations. All applicable products sold or offered for sale to California after January 1, 2010, will meet Title 20 requirements. Please see the [compliance matrices](#) (Form No. 807.81).
- b. Some Acuity Brands Lighting companies may require the use of specific ordering information (nomenclature) to designate options that would make particular products compliant. Please see the specification sheets or product catalog for information regarding ordering information for luminaires that are Title 20 compliant.



6. Will replacement parts be available for existing installations?

Yes. Title 20 applies to new luminaires sold or offered for sale to California after January 1, 2010. Replacement components will continue to be available for existing installations.

7. Will I be required to retrofit existing installations to comply with Title 20 requirements?

No. Title 20 is specific to newly sold luminaires beginning January 1, 2010. Existing installations will not require a retrofit.

8. What happens to non-compliant product currently stocked by distribution?

Title 20 only establishes a cutoff date for manufacturing. There are no restrictions on the sale of products manufactured on or before December 31, 2009. There is no need to return inventory that is currently in stock, and all returns will be subject to standard policy.

9. What are my competitors doing?

The regulation requires all luminaire manufacturers and resellers who sell or offer for sale, metal halide products for use in California, to comply with Title 20.

10. Will all luminaire manufacturers be required to comply with Title 20?

- a. Yes. All luminaire manufacturers are required to comply with Title 20. Acuity Brands Lighting supports government efforts to conserve energy and specifically supports the metal halide requirements included in Title 20. We encourage all of our business partners and other manufacturers to assist with documenting and reporting non-compliant products.
- b. Per section 1608(a) of Title 20, resellers are responsible for compliance. The California Energy Commission may take action against resellers who sell or offer for sale in California any non-compliant product beginning January 1, 2010.

11. How does this affect other states, Mexico, Canada and International Sales?

- a. Title 20 applies only to installations in the state of California.
- b. Products that do not meet Title 20 requirements may continue to be sold to markets outside California.

12. Are any metal halide luminaires exempt from Title 20?

- a. Luminaires that contain metal halide ballasts less than 150W or greater than 500W are not covered by Title 20.
- b. Luminaires that use regulated lag ballasts are excluded from Title 20.
- c. Luminaires that use electronic ballasts rated for 480 volts are excluded from Title 20.
- d. Luminaires that meet all the following criteria are excluded from Title 20:
 - rated only for 150W lamps
 - AND rated for wet location use as defined by National Electric Code 2002 Section 410.4(A)
 - AND contain a ballast rated to operate at an ambient air temperature above 50°C as specified by UL 1029-2001.

13. Where do I go for further information?

- a. [Frequently asked questions](#)
- b. [Overview](#)
- c. [Compliance matrices](#)