

This act goes into effect January 1, 2009 and broadly covers areas related to energy reduction, reduced foreign energy dependence and global climate change. Metal Halide products fall under Section 324. The Act requires higher ballast efficiencies and essentially makes Pulse Start the new ballast standard for Metal Halide products.

On **January 1, 2009**, manufacturers are required by law to use ballasts that meet these efficiency requirements in new product. Pinnacle Architectural Lighting's Peak Large is the only product line impacted by this act. Please see the chart below for a list of what lamps are being replaced and the new available wattages.

Obsolete Lamping Only Impact is to Peak Large					Replacement Lamping Only Impact is to Peak Large					
Lamp	Wattage Bulb/Base	Initial Lumens	Mean Lumens	Average Life	Wattage	Base	ANSI Code	Initial Lumens	Mean Lumens	Average Life
M175E	175W E17 Med	12800	8400	7500	150W	Med	M102	13000	10000	15000
M250E	250 ET18 Mog	20000	13500	7500	200W 250W	Med Med	M136 M153	19000 22000	15000 17600	15000 15000
M400E / 2M400E	400W ET18 Mog	33000	21500	15000	320W 350W	Mog Mog	M132/154 M131	30000 33000	24000 26000	20000 20000

### Additional EISA Technical Information:

#### New Ballast Efficiency Requirements:

Pulse Start	150w - 500w	88%
Magnetic Probe Start	150w - 500w	94%
Non-Pulse Start Electronic	150w - 250w 250w - 500w	90% 92%

#### Pulse Start Benefits and Advantages:

- Greater efficacy
- Energy savings
- Longer lamp life
- Better color rendition and less color shift
- Faster warm-up and restrike
- Colder starting temperatures (-30F/-40C)

#### Remote Mounting Information:

##### 70-150W

Electronic ballast with a remote mounting distance of 50'

##### 200-350W

Standard remote mounting requires a lamp to ballast distance of 50' or less.

F-Can ballasts will no longer be available as an option. Pinnacle Architectural Lighting will include remote ballast enclosure.

*Consult factory for remote distances greater than 50'.*

#### Luminaire Exceptions:

- Those using Regulated Lag ballasts
- Those using electronic 480v ballasts
- Those that are rated only for 150w and wet location per NEC 202, section 410.4(A) and contain a ballast rated to operate at an ambient air temperature above 50 degrees C as specified by UL 1029-2001
- Outside USA markets including Canada
- Does not affect replacement ballasts and lamps
- Non-compliant products manufactured or imported before January 1, 2009 can be sold after the effective date
  
- California to implement more stringent energy efficient guidelines in 2010.

#### Labeling Requirements:



A circled capital E must be marked clearly with contrasting ink on:  
Ballast(s) within the fixtures  
Fixture packaging