

# Alloway Lighting

## 2009 Regulatory Update

September 2009

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- ❖ Fluorescent Tubes
- ❖ Par Halogen Lamps
- ❖ T12 Ballasts

## Department of Energy Regulatory Updates

- ❖ New regulatory information and time tables regarding linear fluorescent lamps and halogen lamps
  
- ❖ New Federal efficiency levels for:
  - 4', 8', 8' HO's and U-bend fluorescent lamps
  - Includes T12, T8 and T5 lamps
  - Halogen PAR38, PAR30 and PAR20 lamps
  - Lumen per Watt standards – LPW
  
- ❖ Exceptions
  
- ❖ Effective date: Summer 2012

Source: General Electric, Energy Policy Act

## 2012 Standard – 4' linear fluorescents

- ❖ 4 foot T12 and T12 U-Bend lamps
  - All Standard 4' T12 and U-Bend T12 lamps are eliminated by the regulation
  
- ❖ 4 foot T8 lamps and U-Bends
  - All 32w SP “700” series T8 lamps are eliminated
  
  - 32 watt SPX “800” series, 32w high lumen, 28w and 25w T8 lamps remain
  
- ❖ 4' T5 – all T5 lamps remain

## 2012 Standard – 8’ linear fluorescents

- ❖ 8 foot T12 and T8 lamps
  - All 75w 8’ T12 lamps eliminated
  - All SP “700” series 60w 8’ T12 lamps eliminated
  - Almost all 8’ T8 lamps are allowed
  
- ❖ 8’ foot T12 HO and 8’ T8 HO lamps
  - All 110w 8’ T12 and 95w SP HO lamps are eliminated
    - Cold temperature exemption remains
  - All 8’ T8 HO lamps allowed

Source: General Electric, Energy Policy Act

## 2012 Standard – Linear Fluorescent Exemptions

- ❖ Plant Growth
- ❖ Cold temperature (F96T12/CW/HO/CT)
- ❖ Colored
- ❖ Impact Resistant
- ❖ Reflector or Aperature
- ❖ Ultraviolet (black light or germicidal)
- ❖ High CRI – 87 or greater

Source: General Electric, Energy Policy Act

## 2012 Standard – halogen PAR lamps

- ❖ PAR38 and PAR30
  - All standard halogen PAR lamps eliminated
  - Halogen-IR lamps near limits
  - Halogen-IR+ allowed
- ❖ PAR20 – all standard halogen PAR20 lamps eliminated
- ❖ Incandescent reflectors R20/30/40, BR30/40 must meet all halogen efficiency levels
- ❖ Incandescent exceptions to new efficiency regulations
  - Lamps rated 50w or less – BR30, BR40, ER40 & ER40
  - R20 lamps rated at 45w or less
  - Specialty products – colored, shatter resistant, etc

## Fluorescent Lamp Ballasts – timelines

New Efficiency Level Requirements will eliminate:

**Electromagnetic Ballasts that Operate most 4' and 8' lamps**

### Effective Dates:

- ❖ January 1, 2009 – Can't manufacture Ballasts for new fixtures
- ❖ October 1, 2009 – Can't sell Ballasts for use in new fixtures
- ❖ July 20, 2010 – replacement ballasts no longer can be sold unless  
marked as replacement only
- ❖ We are beginning to see the impact of these rules

### Market Impact:

- ❖ Future Fixtures to incorporate Electronic Ballasts Only
- ❖ Currently shifting to T8 lamps and Electronic Ballasts
- ❖ Capitalizing on Idaho Power incentives

Source: General Electric, Energy Policy Act

## Your Alloway Lighting Support Team

### Order Management

Mark Avery

Chris Brown

Monte Kirkhart

Email: [sales@allowaylighting.com](mailto:sales@allowaylighting.com)

Office: (208) 344-2507

Fax: (208) 342-8750

### Other Operational Contacts

Gary Tewalt - Purchasing

Email: [gtewalt@allowaylighting.com](mailto:gtewalt@allowaylighting.com)

### Sales & Service Contacts

Rob White

Commercial Sales

Email: [rwhite@allowaylighting.com](mailto:rwhite@allowaylighting.com)

Office: (208) 344-2507

Mobile: (208) 863-9423

Chris Brown

Inside Sales/Tech Support/Service

Email: [cbrown@allowaylighting.com](mailto:cbrown@allowaylighting.com)

Office: (208) 344-2507

Mobile: (208) 870-0984

Fax: (208) 342-8750

Sarah Wiegand

Design Consultant

Email: [swiegand@allowaylighting.com](mailto:swiegand@allowaylighting.com)

Office: (208) 344-2507

Mobile: (208) 739-0362

### Owner/President

Bill Jacobs

Email: [bjacobs@allowaylighting.com](mailto:bjacobs@allowaylighting.com)

Office: (208) 344-2507

Mobile: (208) 447-6113

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### Accounting

Rosalie Sparks

Accounts Receivable

Office: (208) 344-2507

Fax: (208) 342-8750