

What You Need To Know about EISA

Understanding the EISA legislation is almost as easy as changing a light bulb. The following lamp types have been affected by EISA:

1 General Service Incandescent Lamps

2 General Service Incandescent Reflector Lamps

3 General Service Fluorescent Lamps

In this quick reference guide, you will find a breakdown of exactly which lamps are affected, which lamps are exempt, what their effective dates are and examples of how to identify the proper replacements.

Be sure to look for the icons below throughout the catalog to identify products that do not meet the new energy efficiency standards required by EISA. For EISA compliant options, see page 12.



BULBRITE®

1 General Service Incandescent Lamps

Affected:

- Medium screw base
- 310 to 2,600 lumens
- 110 to 130 volts



Current Wattage	Maximum Rated Wattage	Rated Lumen Range	Minimum Rated Lifetime	Effective Date
100W	72W	1490-2600	1000 hrs	1/1/2012
75W	53W	1050-1489	1000 hrs	1/1/2013
60W	43W	750-1049	1000 hrs	1/1/2014
40W	29W	310-749	1000 hrs	1/1/2014

- Modified spectrum lamp required lumen ranges are 25% lower
- Minimum of 75 CRI for modified spectrum lamps

Also effective 1/1/2012:

- Candelabra base incandescent lamps shall not exceed 60 watts
- Intermediate base incandescent lamps shall not exceed 40 watts

Exemptions:

- Specialty Lamps including: appliance lamp, black light lamp, bug lamp, colored lamp, infrared lamp, left hand thread lamp, marine lamp, marine signal service lamp, mine service lamp, plant light lamp, reflector lamp, rough service lamp, shatter-resistant lamp, sign service lamp, silver bowl lamp, showcase lamp, 3-way incandescent lamp, traffic signal lamp, vibration service lamp
- G-shape lamp with a diameter of 5 inches or more
- T-shape lamp of 40 watts or less or a length of more than 10 inches
- B, BA, CA, F, G16½, G25, G30, S or M14 lamp of 40 watts or less

To identify the proper replacement for a 100A/SW, follow the steps below:

1. Identify Lamp Wattage: 100W
2. Note the maximum rated wattage for the replacement lamp: 72W

The replacement lamp must not exceed 72W.

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2 General Service Incand. Reflector Lamps

Affected:

- BR, ER and BPAR lamps
- Reflector lamps between 2.25" (R18) and 2.75" (R22) in diameter
- Lamps that have a rated wattage of 40 watts or higher



Lamp Wattage	Lamp Type	Diameter	Voltage	Minimum LPW; LPW is derived from a formula based on lamp watts
40W-205W	Standard Spectrum	> 2.5" (PAR30, PAR38, BR30, BR40, ER30, ER40)	≥125 (130V)	6.8 x Lamp watts ^{0.27} 18.4 to 28.6 LPW
			<125 (120V)	5.9 x Lamp watts ^{0.27} 16.0 to 24.8 LPW
		> 2.25" & 2.5" (R20 & PAR20)	≥125 (130V)	5.7 x Lamp watts ^{0.27} 15.4 to 24.0 LPW
			<125 (130V)	5.0 x Lamp watts ^{0.27} 13.5 to 21.0 LPW
40W-205W	Modified Spectrum	Standards are approximately 17% less stringent than Standard Spectrum Lamps.		

Effective 7/14/2012

Exemptions:

- BR30, BR40 and ER40 lamps rated at 65 watts (65BR30 and 65BR40 are exempt)
- ER30, BR30, BR40 and ER40 lamps rated at 50 watts or less
- R20 lamps rated at 45 watts or less

To identify the proper replacement for a H90PAR38FL2 follow the steps below:

1. Identify Lamp Wattage: 90W
2. Identify Lamp Type: Standard Spectrum
3. Identify Lamp Diameter: 4 3/4"
4. Identify Lamp Voltage: 120V

Based on the above product specifications, use following formula to calculate the minimum Lumens Per Watt:
 $5.9 \times (90 \text{ watts})^{0.27} = 19.9 \text{ LPW}$

The replacement lamp must have a minimum of 19.9 LPW.

3 General Service Fluorescent Lamps

Affected:

- 4' T5 miniature
- Select 4' and 8' T8s and T12s
- 2' U-shaped



Lamp Type	Correlated Color Temp. (Kelvin)	Lumens Per Watt (LPW)
4-Foot (T8 - T12) Medium Bi-Pin ≥25W	≤4500K	89
	>4500K and ≤7000K	88
2-Foot U-Shaped ≥25W	≤4500K	84
	>4500K and ≤7000K	81
8-Foot Slimline ≥52W	≤4500K	97
	>4500K and ≤7000K	93
8-Foot (T8 - T12) High Output	≤4500K	92
	>4500K and ≤7000K	88
4-Foot (T5) Miniature Bi-Pin Std. Output ≥26W	≤4500K	86
	>4500K and ≤7000K	81
4-Foot (T5) Miniature Bi-Pin Std. Output ≥49W	≤4500K	76
	>4500K and ≤7000K	72

Effective 7/14/2012

Exemptions:

- Fluorescent lamps designed to promote plant growth
- Fluorescent lamps specifically designed for cold temperature installations
- Colored fluorescent lamps
- Impact-resistant fluorescent lamps
- Reflectorized or aperture lamps
- Fluorescent lamps designed for use in reprographic equipment
- Lamps primarily designed to produce radiation in the ultra-violet region of the spectrum
- Lamps with a color rendering index of 87 or greater

To identify the proper replacement for a F32T8/730/EW, follow the steps below:

1. Identify Lamp Type: 32W 4' T8 Medium Bi-Pin
2. Identify Color Temperature: 3000K
3. Lumens per watt: 89

The replacement lamp must have a minimum of 89 LPW.