



What you need to know about EISA Compliant Options

There are 3 types of light sources that comply with energy efficiency standards set by EISA: Halogen, Compact Fluorescent and LED. The following chart illustrates the specifications of each EISA compliant option and how they compare to a standard 100W incandescent.

	Incandescent	Halogen	Compact Fluorescent	LED
Reference Model:	100A/SW	72A19SW/ECO	CF23C/WW/DM	LED14A19WW/D
ENERGY USED	100W	72W 28% less energy used	23W 77% less energy used	14W 86% less energy used
BRIGHTNESS (LUMENS)	1500 lm	1490 lm less than 1% lower lumen output	1600 lm 7% higher lumen output	800 lm 47% less lumen output (60W equiv.)
LIFE (3 hour/day)	2000 hrs (1.8 years)	1000 hrs (0.9 years) 50% shorter lamp life	10,000 hrs (9.1 years) 5x longer lamp life	25,000 hrs (22.8 years) 12.5x longer lamp life
RETAIL PRICE (per bulb)	\$0.70	\$2.50 3.5x more	\$5.00 7x more	\$20.00 28.5x more
OPERATING COST (3 hours/day at \$0.11/kWh)	\$12.05/yr	\$8.67/yr Save \$3.38/yr	\$2.77/yr Save \$9.28/yr	\$1.69/yr Save \$10.36/yr
TOTAL COST OF OPERATION & LAMPS (Over 20 years)	\$248.00 Total Cost of Operation & Lamps (including replacements)	\$223.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$24.60	\$65.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$182.60	\$53.80 Total Cost of Operation & Lamps (including replacements) Net Savings: \$194.20
FULLY DIMMABLE	YES	YES Same	NO Only dims down to 10-20%	NO Only dims down to 10-20%
COLOR TEMPERATURE (CCT)	2700-2900K	2900K Same	2700-5000K Same and additional options available	2700-5000K Same and additional options available
COLOR RENDERING (CRI)	100	100 Same	80-82 20% lower	80 20% lower