



Muscatine Power and Water

Your reliable neighbor

WHICH LAMP IS BEST?

Compare these popular options in critical categories



INCANDESCENT
Traditional Light Bulb

VS.




HALOGEN*
New Halogen Incandescent

VS.



CFL
Compact Fluorescent

VS.



LED
Light Emitting Diode

Initial Cost \$\$\$\$

Initial Cost \$\$\$\$

Initial Cost \$\$\$\$

Initial Cost \$\$\$\$

Watts of Electricity Used
60 Watts

Watts of Electricity Used
43 Watts

Watts of Electricity Used
13-15 Watts

Watts of Electricity Used
11-13 Watts

Kilo-watts Used per Year
30 incandescent bulb equivalent/1370 hrs.
2,466 KWh/yr.

Kilo-watts Used per Year
30 incandescent bulb equivalent/1370 hrs.
1,767 KWh/yr.

Kilo-watts Used per Year
30 incandescent bulb equivalent/1370 hrs.
617 KWh/yr.

Kilo-watts Used per Year
30 incandescent bulb equivalent/1370 hrs.
534 KWh/yr.

Annual Operating Cost
30 incandescent bulb equivalent
\$180.88/yr.

Annual Operating Cost
30 incandescent bulb equivalent
\$129.61/yr.

Annual Operating Cost
30 incandescent bulb equivalent
\$45.26/yr.

Annual Operating Cost
30 incandescent bulb equivalent
\$39.17/yr.

Carbon Dioxide Emissions
30 bulbs per year
6,165 lbs./yr.

Carbon Dioxide Emissions
30 bulbs per year
4,418 lbs./yr.

Carbon Dioxide Emissions
30 bulbs per year
1,543 lbs./yr.

Carbon Dioxide Emissions
30 bulbs per year
1,335 lbs./yr.

Operating Temperature
HIGH

Operating Temperature
HIGHEST

Operating Temperature
LOW

Operating Temperature
LOWEST

Life Expectancy
1,200 hours

Life Expectancy
4,000 hours

Life Expectancy
8,000 hours

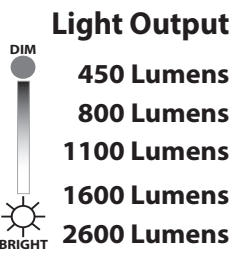
Life Expectancy
25,000 hours

- Turns on instantly
- Dimmable
- NOT Very durable - glass and filament can break easily
- Contains NO Mercury
- RoHS (Restriction of Hazardous Substances) **Compliant**
- SOME sensitivity to low temperatures
- SOME sensitivity to humidity

- Turns on instantly
- Dimmable
- Relatively durable - glass can break
- Contains NO Mercury
- RoHS (Restriction of Hazardous Substances) **Compliant**
- SOME sensitivity to low temperatures
- SOME sensitivity to humidity

- Takes time to warm up
- Some Dimmable
- NOT very durable - glass can break easily
- Contains Mercury
- SOME RoHS (Restriction of Hazardous Substances) **Compliant**
- May not work below -10F or above 120F
- Sensitive to humidity

- Turns on instantly
- Dimmable
- Very durable - can handle jarring and bumping
- Contains NO Mercury
- RoHS (Restriction of Hazardous Substances) **Compliant**
- NOT sensitive to low temperatures
- NOT sensitive to humidity

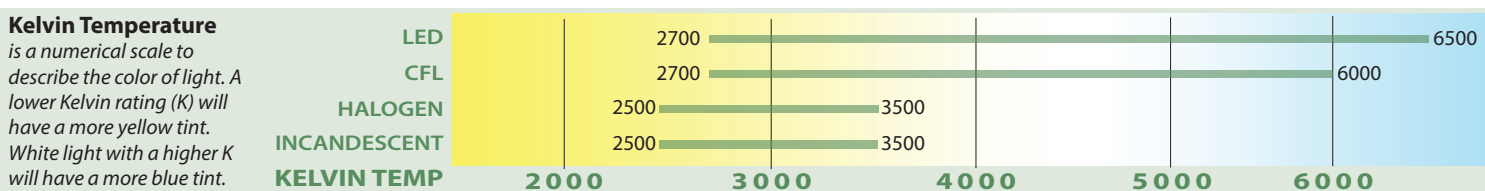


Incandescent
40 watts
60 watts
75 watts
100 watts
150 watts

Halogen
29 watts
43 watts
53 watts
72 watts
100 watts

CFL
up to 11 watts
up to 15 watts
up to 23 watts
up to 26 watts
up to 42 watts

LED
up to 9 watts
up to 13 watts
up to 17 watts
N/A
N/A



For more helpful information about energy efficiency visit mpw.org/greenmuscatine



When buying LED or CFL lamps, look for the Energy Star logo

*Because of high operating temperatures of halogen lamps, make sure fixtures are rated appropriately.