

Lighting Fixture Comparison Chart

Lamp/Filament Type	Incandescent	Halogen	Fluorescent	Compact Florescent Lamps (CFL)	Metal Halide	Sodium Vapor	LED
Color Temperature	2800 K (Yellowish)	3200 K (Less Yellow)	4800 K (Bluish White)	3500 K (Less Blue)	5600 K (Blue White)	1700 K (Orange)	Variable White and Color
Dimmable	Yes	Yes	Yes, w/ Ballast ¹	Yes w/Special Lamp	No	No	Yes
Energy Efficient	Far Below Average	Below Average	Average	Above Average	Average	Average	Far Above Average
Lamp Life	800 Hrs	2,500 hours	20,000 hours	12,000 hours	4,000 hours	4,000 hours	15,000+ hours ²
Heat output	High	Moderate	Low	Low	Moderate	Moderate	Low
Fixture Cost	\$\$	\$\$	\$\$\$ +(\$\$\$) ¹	\$\$\$	\$\$\$	\$\$\$	\$\$\$\$
Operation Cost	\$\$\$\$	\$\$\$	\$\$	\$\$	\$\$\$	\$\$\$	\$
Replacement Lamp Cost	\$	\$\$\$	\$\$	\$\$	\$\$\$	\$\$\$	N/A ³
Miscellaneous Notes/Information	Are expected to be outlawed in the next 10 years	Lamps may need to be special ordered	Ballasts will need replacement over time ¹ Ballasts can double the cost of a fixture	Replacement for Halogen and Incandescent Lamps	Good for large open areas, Long warm up time (5 min); Extremely bright	Ideal for parking lots, Long warm up time (5 min)	² Hours are only estimate for LED fixtures, research and testing is still ongoing. This number is the expected minimum from the fixture. Some tests show that this fixture could be close to 30,000 hours. ³ No replacement lamps, must replace entire fixture Not a very large fixture selection

\$ = Low Cost
 \$\$ = Average Cost Low Side
 \$\$\$ = Average Cost High Side
 \$\$\$\$ = Expensive

Within each category of Cost, there is a range of low to high. i.e. Some florescent fixtures may cost less than a halogen fixture. These charts are based off of the average, not a specific set of fixtures.