

## **Source Four Dichroic Reflectors**

**ETC employs three different types of reflector coatings in our fixture line. The Source Four and Source Four jr share the same type of reflector coating. The Source Four EA PAR has a unique coating, as does the Source Four MCM PAR. The big question is - how long will the reflectors last? The Source Four Ellipsoidal and Source Four PAR MCM reflectors should perform within specification for a minimum of five years and the Source Four PAR EA should perform for a minimum 7 years. Our warranty lasts for two years. But, it is impossible to establish a finite life span for any reflector because the life span directly relates to a number of different variables.**

**The surface of the reflector is exposed to airborne chemicals like chlorides and is therefore susceptible to chemical reactions similar to the oxidation of metal. Additional variables include proximity to humidity and frequency of use. A Source Four reflector located in an environment like Houston, that has a high level of humidity and air quality that tends to contain an elevated quantity of airborne chemicals, will see a shorter life span than a reflector located in the low humidity and relatively clean environment of a city like Anchorage. In addition, a Source Four reflector that burns infrequently in a community theatre or school is likely to last longer than one in a busy rental house.**

**Source Four reflectors are expensive and we recognize that. Please consider the following. If one were to regularly use a fixture with an alzak reflector lamped at a minimum of 750 watts, it would be necessary to replace the shutters and reflector on an annual basis, at an average cost of:**

**Labor: \$20.00 (per hour)  
Shutters+ Knobs ( x4 ): \$6.00  
Reflector: \$25.00**

**\$51.00 PER YEAR**

**Let's say that one has to replace a Source Four reflector after 5 years. Odds are that you will not replace the shutters or knobs. Therefore, the replacement will have an average cost of:**

**Labor: \$20.00 (per hour)  
Reflector: \$ 60.00**

**\$ 80.00 PER *FIVE* YEARS**

**When you do the math for the cost of a fixture maintained for five years:**

**Fixture with Alzak Reflector: \$255.00**

**Source Four: \$80.00**

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