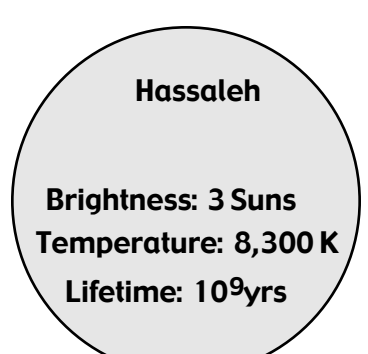
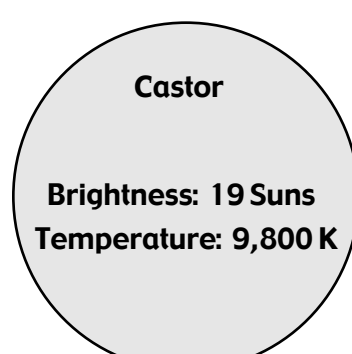
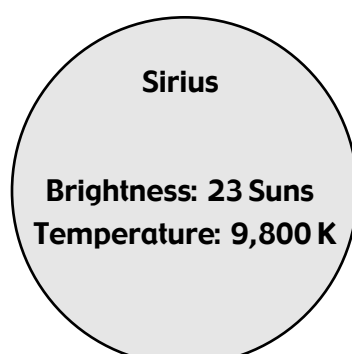
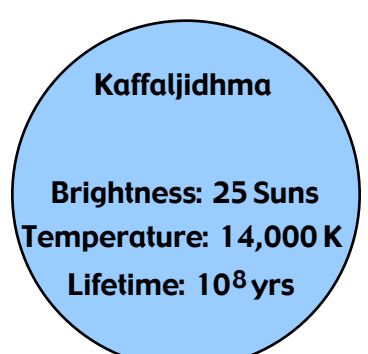
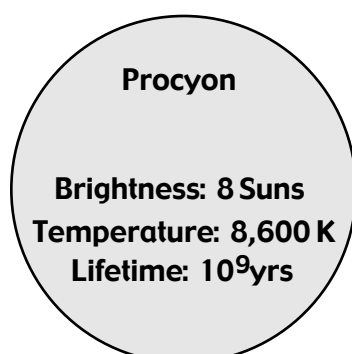
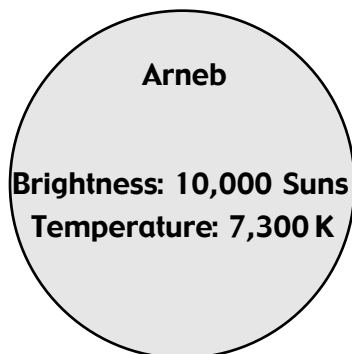
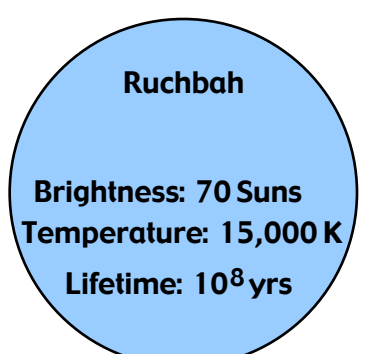
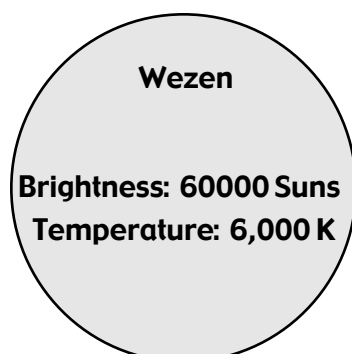
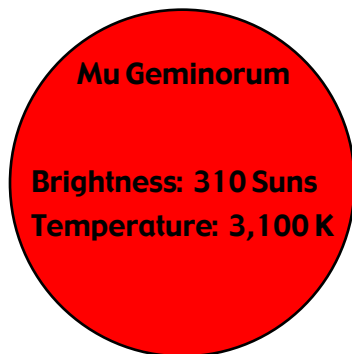
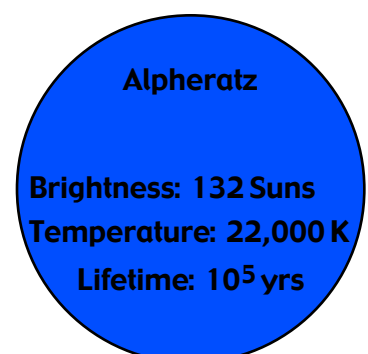
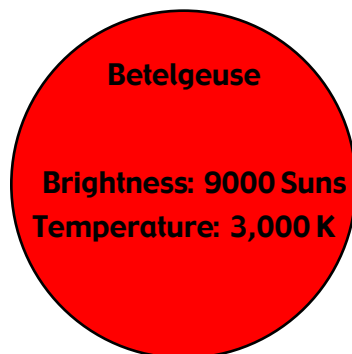
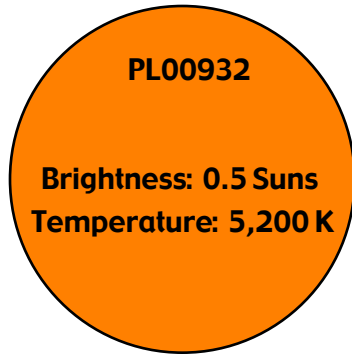


## **Chapter 2 Color Packet Index**

Activity 2:3 — Star Circles

Star Circles



**APAC617**

**Brightness: 0.02 Suns  
Temperature: 4,100 K  
Lifetime:  $10^{10}$  yrs**

**BDE10298**

**Brightness: 0.01 Suns  
Temperature: 3,900 K  
Lifetime:  $10^{10}$  yrs**

**APAC424**

**Brightness: 0.01 Suns  
Temperature: 3,900 K  
Lifetime:  $10^{11}$  yrs**

**DC0032864**

**Brightness: 0.06 Suns  
Temperature: 4,200 K  
Lifetime:  $10^{11}$  yrs**

**KO65430**

**Brightness: 0.01 Suns  
Temperature: 3,500 K  
Lifetime:  $10^{10}$  yrs**

**DC0029876**

**Brightness: 0.04 Suns  
Temperature: 4,300 K  
Lifetime:  $10^{11}$  yrs**

**JAC76582**

**Brightness: 0.04 Suns  
Temperature: 3,800 K  
Lifetime:  $10^{11}$  yrs**

**C RTP987**

**Brightness: 0.08 Suns  
Temperature: 3,600 K  
Lifetime:  $10^{11}$  yrs**

**JAC39672**

**Brightness: 0.02 Suns  
Temperature: 3,900 K  
Lifetime:  $10^{11}$  yrs**

**JAC12967**

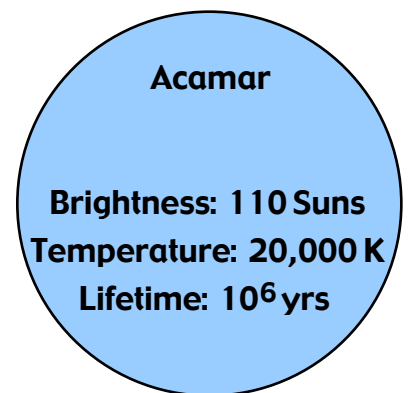
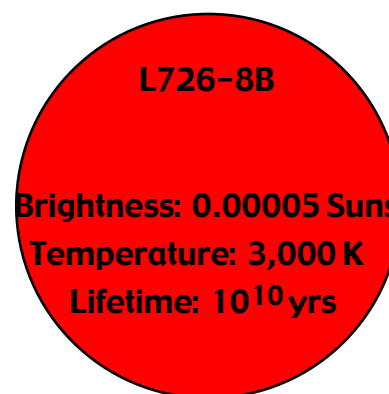
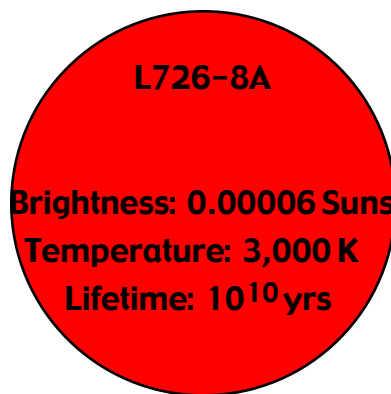
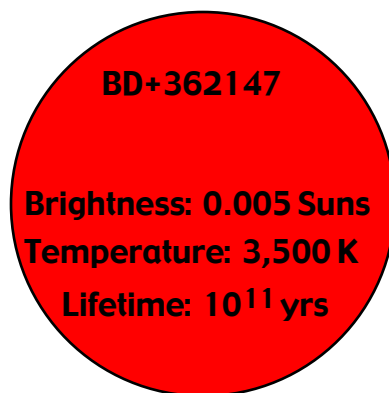
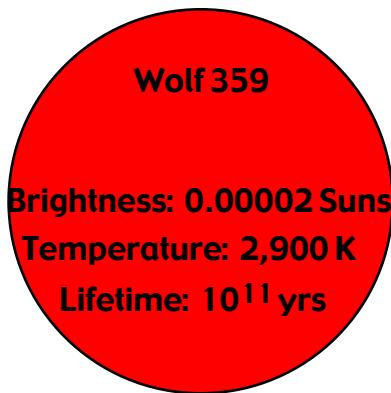
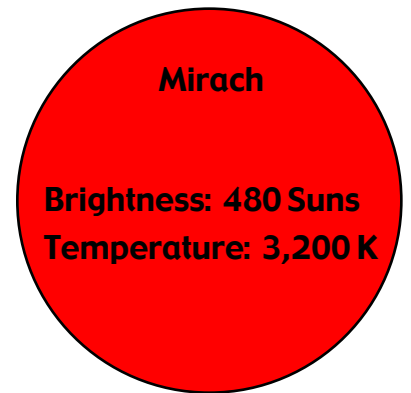
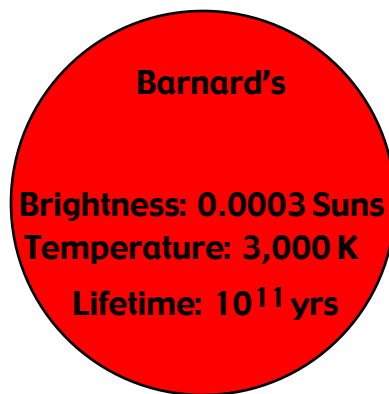
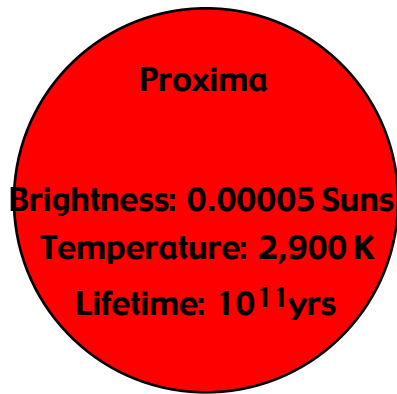
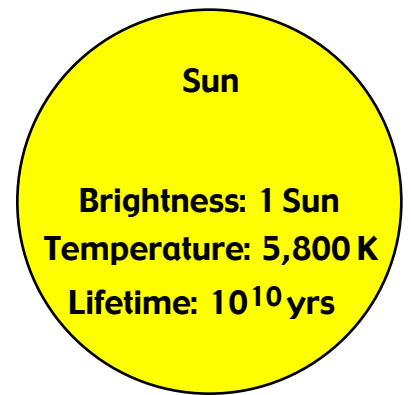
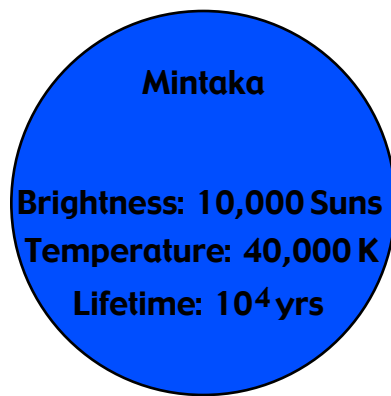
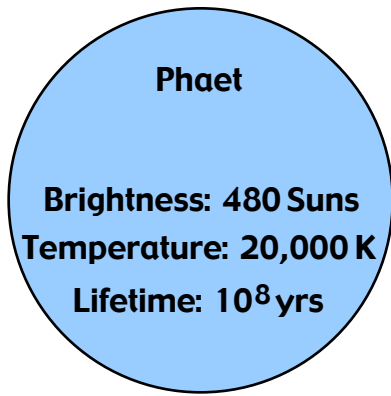
**Brightness: 0.09 Suns  
Temperature: 4,200 K  
Lifetime:  $10^{11}$  yrs**

**DAAC329**

**Brightness: 0.09 Suns  
Temperature: 4,200 K  
Lifetime:  $10^{11}$  yrs**

**JAC43928**

**Brightness: 0.07 Suns  
Temperature: 4,100 K  
Lifetime:  $10^{11}$  yrs**



**Ross 154**

**Brightness: 0.0005 Suns**

**Temperature: 3,000 K**

**Lifetime:  $10^{11}$  yrs**

**Ross 248**

**Brightness: 0.0004 Suns**

**Temperature: 3,000 K**

**Lifetime:  $10^{11}$  yrs**

**BD591915A**

**Brightness: 0.0006 Suns**

**Temperature: 3,100 K**

**Lifetime:  $10^{11}$  yrs**

**Epsilon Eri**

**Brightness: 0.28 Suns**

**Temperature: 4,200 K**

**Lifetime:  $10^{10}$  yrs**

**CD3615693**

**Brightness: 0.0001 Suns**

**Temperature: 3,300 K**

**Lifetime:  $10^{11}$  yrs**

**Epsilon Indus**

**Brightness: 0.16 Suns**

**Temperature: 4,200 K**

**Lifetime:  $10^{10}$  yrs**

**Ross 128**

**Brightness: 0.0003 Suns**

**Temperature: 3,200 K**

**Lifetime:  $10^{11}$  yrs**

**L7896ABC**

**Brightness: 0.0001 Suns**

**Temperature: 3,200 K**

**Lifetime:  $10^{11}$  yrs**

**L37258**

**Brightness: 0.0001 Suns**

**Temperature: 3,200 K**

**Lifetime:  $10^{11}$  yrs**

**61CygA**

**Brightness: 0.04 Suns**

**Temperature: 4,200 K**

**Lifetime:  $10^{10}$  yrs**

**61CygB**

**Brightness: 0.05 Suns**

**Temperature: 4,200 K**

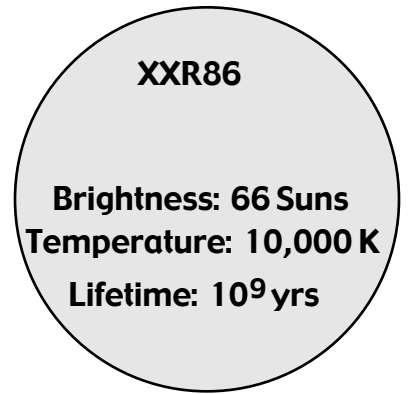
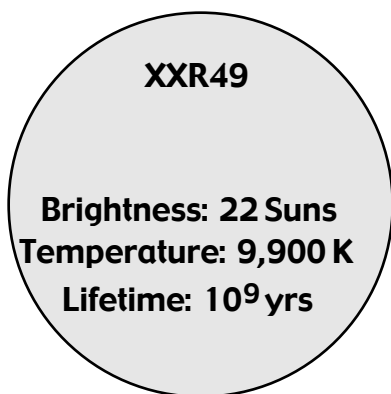
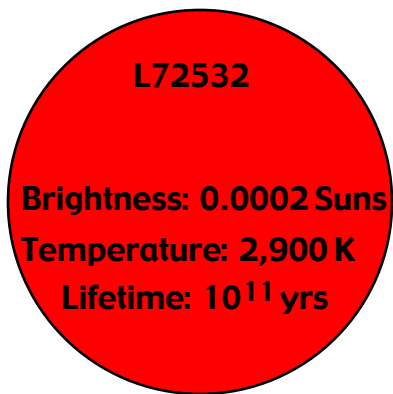
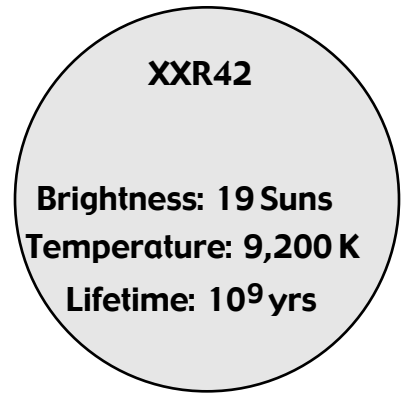
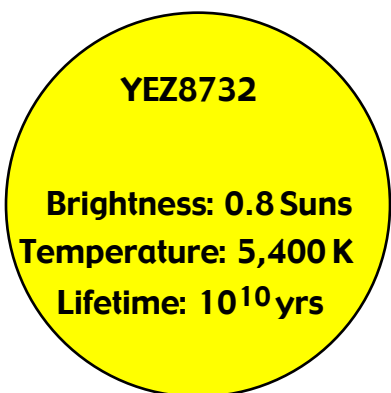
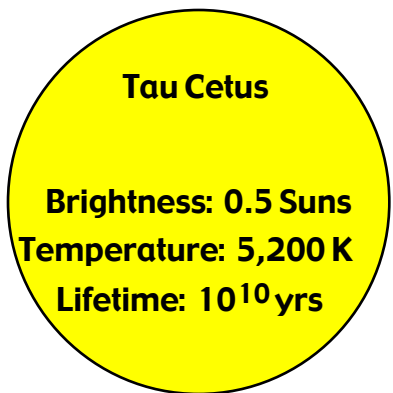
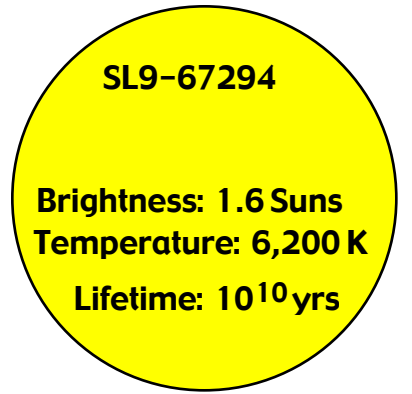
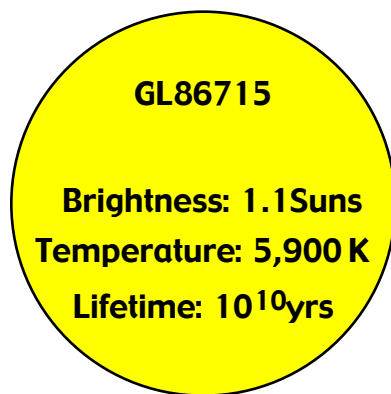
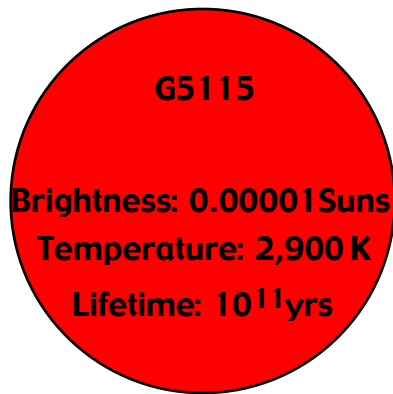
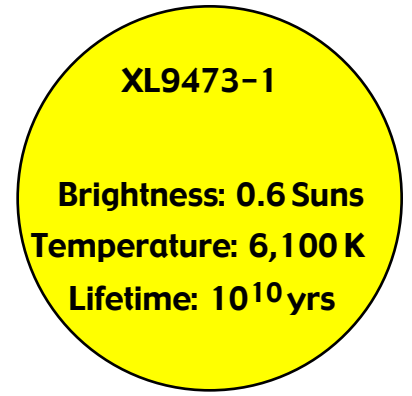
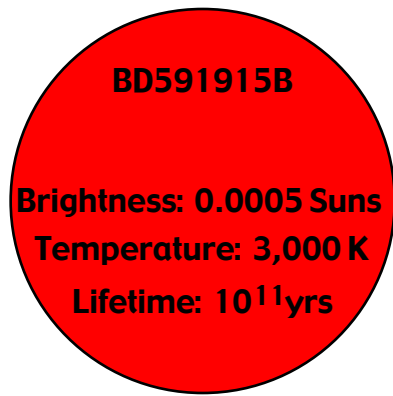
**Lifetime:  $10^{10}$  yrs**

**BD51668**

**Brightness: 0.0006 Suns**

**Temperature: 3,000 K**

**Lifetime:  $10^{11}$  yrs**



**PLO089**

**Brightness: 0.3 Suns  
Temperature: 4,800 K  
Lifetime:  $10^{10}$  yrs**

**BLG9982**

**Brightness: 0.009 Suns  
Temperature: 3,000 K  
Lifetime:  $10^{11}$  yrs**

**SAC2243**

**Brightness: 29 Suns  
Temperature: 9,400 K  
Lifetime:  $10^9$  yrs**

**MGU82067**

**Brightness: 0.0001 Suns  
Temperature: 3,100 K  
Lifetime:  $10^{11}$  yrs**

**WZ443**

**Brightness: 60 Suns  
Temperature: 9,000 K  
Lifetime:  $10^7$  yrs**

**SAC9899**

**Brightness: 72 Suns  
Temperature: 10,400 K  
Lifetime:  $10^9$  yrs**

**ARN93227**

**Brightness: 0.7 Suns  
Temperature: 5,000 K  
Lifetime:  $10^{10}$  yrs**

**PY7Z9I**

**Brightness: 80 Suns  
Temperature: 9,600 K  
Lifetime:  $10^7$  yrs**

**YEZ8872**

**Brightness: 88 Suns  
Temperature: 10,400 K  
Lifetime:  $10^9$  yrs**

**G757**

**Brightness: 2.3 Suns  
Temperature: 5,800 K  
Lifetime:  $10^{10}$  yrs**

**CST6128**

**Brightness: 1.9 Suns  
Temperature: 5,800 K  
Lifetime:  $10^{10}$  yrs**

**SAC5430**

**Brightness: 28 Suns  
Temperature: 9,700 K  
Lifetime:  $10^9$  yrs**

**Kapteyn's**

**Brightness: 0.004 Suns  
Temperature: 3,500 K  
Lifetime:  $10^{11}$  yrs**

**CD3914192**

**Brightness: 0.03 Suns  
Temperature: 3,600 K  
Lifetime:  $10^{10}$  yrs**

**BSC 3430**

**Brightness: 3 Suns  
Temperature: 5,900 K  
Lifetime:  $10^{10}$  yrs**

**Kruger 60A**

**Brightness: 0.0006 Suns  
Temperature: 3,200 K  
Lifetime:  $10^{11}$  yrs**

**Kruger 60B**

**Brightness: 0.00008 Suns  
Temperature: 3,100 K  
Lifetime:  $10^{11}$  yrs**

**LP033276**

**Brightness: 0.001 Suns  
Temperature: 11,100 K**

**CD2510553**

**Brightness: 0.00004 Suns  
Temperature: 3,000 K  
Lifetime:  $10^{11}$  yrs**

**Ross 614A**

**Brightness: 0.00007 Suns  
Temperature: 3,000 K  
Lifetime:  $10^{11}$  yrs**

**RTL9847**

**Brightness: 2 Suns  
Temperature: 6,000 K  
Lifetime:  $10^{10}$  yrs**

**Ross 614B**

**Brightness: 0.00001 Suns  
Temperature: 2,900 K  
Lifetime:  $10^{11}$  yrs**

**BD51668**

**Brightness: 0.0006 Suns  
Temperature: 3,000 K  
Lifetime:  $10^{11}$  yrs**

**DAAC328**

**Brightness: 1.6 Suns  
Temperature: 6,200 K  
Lifetime:  $10^{10}$  yrs**



**APAC529**

**Brightness: 1.7 Suns  
Temperature: 6,100 K  
Lifetime:  $10^{10}$  yrs**

**BDE00017**

**Brightness: 1.0 Suns  
Temperature: 5,900 K  
Lifetime:  $10^{10}$  yrs**

**Beta Sagittae**

**Brightness: 300 Suns  
Temperature: 6,000 K**

**DC0020938**

**Brightness: 320 Suns  
Temperature: 3,200 K**

**KO73491**

**Brightness: 120 Suns  
Temperature: 35,000 K  
Lifetime:  $10^6$  yrs**

**PG000017**

**Brightness: 0.0002 Suns  
Temperature: 10,200 K**

**JAC64932**

**Brightness: 101 Suns  
Temperature: 38,000 K  
Lifetime:  $10^6$  yrs**

**RTL6439**

**Brightness: 81 Suns  
Temperature: 26,000 K  
Lifetime:  $10^7$  yrs**

**JAC57492**

**Brightness: 1.2 Suns  
Temperature: 5,900 K  
Lifetime:  $10^{10}$  yrs**

**JAC94320**

**Brightness: 90 Suns  
Temperature: 22,000 K  
Lifetime:  $10^7$  yrs**

**DAAC444**

**Brightness: 0.09 Suns  
Temperature: 4,100 K  
Lifetime:  $10^{10}$  yrs**

**JAC7632**

**Brightness: 0.8 Suns  
Temperature: 5,900 K  
Lifetime:  $10^{10}$  yrs**