

Spectral Class

O

B

A

F

G

K

M

30000K 10000K 7500 K 6000K 5000K 4000 K 3000K Temperature

100 000

10 000

1 000

100

10

1

0.1

0.01

0.001

0.0001

0.000 01

Luminosity : SUN = 1

Absolute Magnitude

-10

-5

0

+5

+10

+15

Ia

Supergiants

Ib

II Bright
Giants

III Giants

IV Subgiants

V Main Sequence

White Dwarfs

Colour [B-V]