

## Supergiant Stars (Luminosity Class Approximately Iab)

Sp. Type	$T_e$ (K)	$L/L_\odot$	$R/R_\odot$	$M/M_\odot$	$M_{\text{bol}}$	$BC$	$M_V$	$U - B$	$B - V$
O5	40900	1140000	21.2	70	-10.40	-3.87	-6.5	-1.17	-0.31
O6	38500	998000	22.4	40	-10.26	-3.74	-6.5	-1.16	-0.31
O7	36200	877000	23.8	—	-10.12	-3.48	-6.6	-1.14	-0.31
O8	34000	769000	25.3	28	-9.98	-3.35	-6.6	-1.13	-0.29
B0	26200	429000	31.7	25	-9.34	-2.49	-6.9	-1.06	-0.23
B1	21400	261000	37.3	—	-8.80	-1.87	-6.9	-1.00	-0.19
B2	17600	157000	42.8	—	-8.25	-1.58	-6.7	-0.94	-0.17
B3	16000	123000	45.8	—	-7.99	-1.26	-6.7	-0.83	-0.13
B5	13600	79100	51.1	20	-7.51	-0.95	-6.6	-0.72	-0.10
B6	12600	65200	53.8	—	-7.30	-0.88	-6.4	-0.69	-0.08
B7	11800	54800	56.4	—	-7.11	-0.78	-6.3	-0.64	-0.05
B8	11100	47200	58.9	—	-6.95	-0.66	-6.3	-0.56	-0.05
B9	10500	41600	61.8	—	-6.81	-0.52	-6.3	-0.50	-0.02
A0	9980	37500	64.9	16	-6.70	-0.41	-6.3	-0.38	-0.01
A1	9660	35400	67.3	—	-6.63	-0.32	-6.3	-0.29	+0.02
A2	9380	33700	69.7	—	-6.58	-0.28	-6.3	-0.25	+0.03
A5	8610	30500	78.6	13	-6.47	-0.13	-6.3	-0.07	+0.09
A8	7910	29100	91.1	—	-6.42	-0.03	-6.4	+0.11	+0.14
F0	7460	28800	102	12	-6.41	-0.01	-6.4	+0.15	+0.17
F2	7030	28700	114	—	-6.41	0.00	-6.4	+0.18	+0.23
F5	6370	29100	140	10	-6.42	-0.03	-6.4	+0.27	+0.32
F8	5750	29700	174	—	-6.44	-0.09	-6.4	+0.41	+0.56
G0	5370	30300	202	10	-6.47	-0.15	-6.3	+0.52	+0.76
G2	5190	30800	218	—	-6.48	-0.21	-6.3	+0.63	+0.87
G8	4700	32400	272	—	-6.54	-0.42	-6.1	+1.07	+1.15
K0	4550	33100	293	13	-6.56	-0.50	-6.1	+1.17	+1.24
K1	4430	34000	314	—	-6.59	-0.56	-6.0	+1.28	+1.30
K3	4190	36100	362	—	-6.66	-0.75	-5.9	+1.60	+1.46
K4	4090	37500	386	—	-6.70	-0.90	-5.8	—	+1.53
K5	3990	39200	415	13	-6.74	-1.01	-5.7	+1.80	+1.60
K7	3830	43200	473	—	-6.85	-1.20	-5.6	+1.84	+1.63
M0	3620	51900	579	13	-7.05	-1.29	-5.8	+1.90	+1.67
M1	3490	60300	672	—	-7.21	-1.38	-5.8	+1.90	+1.69
M2	3370	72100	791	19	-7.41	-1.62	-5.8	+1.95	+1.71
M3	3210	89500	967	—	-7.64	-2.13	-5.5	+1.95	+1.69
M4	3060	117000	1220	—	-7.93	-2.75	-5.2	+2.00	+1.76
M5	2880	165000	1640	24	-8.31	-3.47	-4.8	+1.60	+1.80
M6	2710	264000	2340	—	-8.82	-3.90	-4.9	—	—