

Influence of ambient temperature (cont.)

Household (IEC 60898-1) (cont.)

iC60 derating table (IEC 60898-1)

iC60	Ambient temperature (°C)																					
Rating	-35	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50	+55	+60	+65	+70
0.5 A	0.61	0.6	0.59	0.59	0.58	0.57	0.56	0.55	0.54	0.54	0.53	0.52	0.51	0.5	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42
1 A	1.22	1.2	1.19	1.17	1.15	1.14	1.12	1.11	1.09	1.07	1.05	1.04	1.02	1	0.98	0.96	0.94	0.92	0.9	0.88	0.86	0.84
2 A	2.52	2.49	2.45	2.41	2.37	2.34	2.3	2.26	2.22	2.17	2.13	2.09	2.04	2	1.95	1.91	1.86	1.81	1.76	1.71	1.65	1.59
3 A	3.8	3.74	3.69	3.63	3.57	3.51	3.45	3.39	3.33	3.27	3.2	3.14	3.07	3	2.93	2.86	2.78	2.71	2.63	2.55	2.47	2.38
4 A	5.07	5	4.92	4.84	4.77	4.69	4.61	4.53	4.44	4.36	4.27	4.18	4.09	4	3.91	3.81	3.71	3.61	3.5	3.39	3.28	3.17
6 A	7.67	7.55	7.44	7.32	7.2	7.07	6.95	6.82	6.69	6.56	6.42	6.29	6.14	6	5.85	5.7	5.54	5.38	5.22	5.04	4.87	4.68
10 A	12.3	12.1	11.9	11.8	11.6	11.4	11.3	11.1	10.9	10.8	10.6	10.4	10.2	10	9.8	9.6	9.4	9.2	9	8.8	8.5	8.3
13 A	15.8	15.6	15.4	15.2	15	14.8	14.6	14.4	14.1	13.9	13.7	13.5	13.2	13	12.8	12.5	12.3	12	11.8	11.5	11.2	10.9
16 A	19.5	19.2	19	18.7	18.5	18.2	18	17.7	17.4	17.1	16.9	16.6	16.3	16	15.7	15.4	15.1	14.8	14.5	14.1	13.8	13.4
20 A	24.1	23.8	23.5	23.2	22.9	22.6	22.3	22	21.7	21.4	21	20.7	20.4	20	19.7	19.3	18.9	18.6	18.2	17.8	17.4	17
25 A	29.8	29.4	29.1	28.8	28.4	28	27.7	27.3	26.9	26.6	26.2	25.8	25.4	25	24.6	24.2	23.8	23.3	22.9	22.5	22	21.5
32 A	38.9	38.4	37.9	37.4	36.9	36.4	35.9	35.3	34.8	34.3	33.7	33.2	32.6	32	31.4	30.8	30.2	29.6	28.9	28.3	27.6	26.9
40 A	48.6	48	47.4	46.7	46.1	45.5	44.8	44.2	43.5	42.8	42.1	41.4	40.7	40	39.3	38.5	37.7	37	36.2	35.3	34.5	33.6
50 A	61.6	60.7	59.9	59.1	58.2	57.4	56.5	55.6	54.7	53.8	52.9	52	51	50	49	48	46.9	45.9	44.8	43.6	42.5	41.3
63 A	78.6	77.5	76.4	75.3	74.1	73	71.8	70.6	69.4	68.2	66.9	65.6	64.3	63	61.6	60.3	58.8	57.4	55.9	54.3	52.8	51.1

C60 derating table (IEC 60898-1)

C60	Ambient temperature (°C)																				
Rating	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50	+55	+60	+65	+70
0.5 A	0.65	0.64	0.63	0.62	0.6	0.59	0.58	0.57	0.55	0.54	0.53	0.51	0.5	0.49	0.47	0.45	0.44	0.42	0.4	0.38	0.36
0.75 A	0.98	0.96	0.94	0.92	0.9	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71	0.68	0.66	0.63	0.61	0.59	0.57
1 A	1.2	1.19	1.17	1.16	1.14	1.12	1.11	1.09	1.07	1.05	1.04	1.02	1	0.98	0.96	0.94	0.92	0.9	0.88	0.86	0.84
2 A	2.36	2.33	2.3	2.27	2.24	2.22	2.19	2.16	2.13	2.1	2.06	2.03	2	1.97	1.93	1.9	1.87	1.83	1.79	1.76	1.72
3 A	3.53	3.49	3.44	3.4	3.36	3.32	3.27	3.23	3.19	3.14	3.09	3.05	3	2.95	2.9	2.85	2.8	2.75	2.7	2.64	2.59
4 A	4.59	4.54	4.5	4.45	4.4	4.35	4.3	4.26	4.21	4.15	4.10	4.05	4	3.95	3.89	3.84	3.78	3.73	3.67	3.61	3.55
6 A	8.68	8.49	8.29	8.09	7.89	7.68	7.46	7.24	7.01	6.77	6.52	6.27	6	5.72	5.43	5.12	4.79	4.43	4.05	3.62	3.13
8 A	10.18	10.01	9.85	9.68	9.51	9.33	9.15	8.97	8.79	8.6	8.4	8.2	8	7.79	7.58	7.36	7.13	6.89	6.65	6.4	6.13
10 A	12.1	11.96	11.8	11.6	11.5	11.3	11.1	10.9	10.8	10.6	10.4	10.2	10	9.8	9.6	9.4	9.2	9	8.8	8.5	8.3
13 A	15.7	15.5	15.3	15.1	14.9	14.6	14.4	14.2	14	13.7	13.5	13.2	13	12.7	12.5	12.2	12	11.7	11.4	11.1	10.8
16 A	18.6	18.4	18.2	18	17.8	17.6	17.4	17.1	16.9	16.7	16.5	16.2	16	15.8	15.5	15.3	15	14.8	14.5	14.2	14
20 A	24.4	24.1	23.7	23.4	23	22.7	22.3	22	21.6	21.2	20.8	20.4	20	19.6	19.2	18.7	18.3	17.8	17.4	16.9	16.4
25 A	30	29.6	29.2	28.8	28.4	28	27.6	27.2	26.8	26.3	25.9	25.5	25	24.5	24.1	23.6	23.1	22.6	22.1	21.6	21
32 A	40.7	39.8	39.2	38.5	37.9	37.2	36.5	35.8	35.1	34.3	33.6	32.8	32	31.2	30.4	29.5	28.6	27.7	26.8	25.6	24.6
40 A	51.1	50.1	49.2	48.4	47.5	46.7	45.8	44.9	43.9	43	42	41	40	39	37.9	36.8	35.6	34.5	33.2	31.8	30.5
45 A	58.5	57.4	56.4	55.3	54.3	53.2	52.1	51	49.9	48.7	47.5	46.3	45	43.7	42.4	41	39.6	38.1	36.5	35	33.5
50 A	64.2	63	61.9	60.8	59.7	58.6	57.4	56.3	55.1	53.8	52.6	51.3	50	48.7	47.3	45.8	44.4	42.8	41.3	39.5	37.9
63 A	82.3	80.7	79.2	77.8	76.3	74.7	73.2	71.6	69.9	68.3	66.6	64.8	63	61.1	59.2	57.2	55.2	53.1	50.8	48.7	46.6

C120 derating table (IEC 60898-1)

C120	Ambient temperature (°C)																				
Rating	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50	+55	+60	+65	+70
10 A	12.9	12.7	12.5	12.2	12	11.8	11.5	11.3	11	10.8	10.5	10.3	10	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.5
16 A	19.4	19.1	18.8	18.6	18.3	18	17.8	17.5	17.2	16.9	16.6	16.3	16	15.7	15.4	15.1	14.7	14.4	14	13.7	13.3
20 A	24.6	24.2	23.9	23.5	23.2	22.8	22.4	22	21.6	21.2	20.8	20.4	20	19.6	19.1	18.7	18.2	17.7	17.3	16.8	16.2
25 A	30.9	30.5	30	29.5	29.1	28.6	28.1	27.6	27.1	26.6	26.1	25.5	25	24.4	23.9	23.3	22.7	22.1	21.5	20.8	20.1
32 A	38.9	38.4	37.9	37.3	36.8	36.2	35.6	35	34.5	33.9	33.3	32.6	32	31.4	30.7	30	29.3	28.6	27.9	27.2	26.4
40 A	49.8	49.1	48.3	47.6	46.8	46	45.2	44.4	43.5	42.7	41.8	40.9	40	39.1	38.1	37.1	36.1	35.1	34.1	33	31.8
50 A	62.2	61.3	60.4	59.4	58.4	57.5	56.5	55.4	54.4	53.3	52.2	51.1	50	48.8	47.7	46.4	45.2	43.9	42.6	41.2	39.8
63 A	78.6	77.5	76.3	75	73.8	72.5	71.3	69.9	68.6	67.3	65.9	64.5	63	61.5	60	58.4	56.8	55.2	53.5	51.7	49.9
80 A	98.4	97	95.6	94.2	92.7	91.2	89.7	88.1	86.6	85	83.4	81.7	80	78.3	76.5	74.7	72.8	70.9	69	67	64.9
100 A	124.5	122.6	120.7	118.8	116.9	114.9	112.9	110.9	108.8	106.6	104.5	102.3	100	97.7	95.3	92.9	90.4	87.8	85.2	82.5	79.6
125 A	157	154.6	152.2	149.7	147.1	144.6	141.9	139.2	136.5	133.7	130.9	128	125	122	118.8	115.6	112.3	108.9	105.4	101.8	98