

Custom LitePad[®] CCT

Color Temperature Profile



Cool Channel Value	Warm Channel Value	% Cool Duty Cycle	% Warm Duty Cycle	Color Output Kelvin
0	255	0.00	100.00	2700.0
1	254	0.39215686	99.60784314	2714.9
2	253	0.78431372	99.21568628	2729.8
3	252	1.17647058	98.82352942	2744.7
4	251	1.56862744	98.43137256	2759.6
5	250	1.9607843	98.03921570	2774.5
6	249	2.35294116	97.64705884	2789.4
7	248	2.74509802	97.25490198	2804.3
8	247	3.13725488	96.86274512	2819.2
9	246	3.52941174	96.47058826	2834.1
10	245	3.9215686	96.07843140	2849.0
11	244	4.31372546	95.68627454	2863.9
12	243	4.70588232	95.29411768	2878.8
13	242	5.09803918	94.90196082	2893.7
14	241	5.49019604	94.50980396	2908.6
15	240	5.8823529	94.11764710	2923.5
16	239	6.27450976	93.72549024	2938.4
17	238	6.66666662	93.33333338	2953.3
18	237	7.05882348	92.94117652	2968.2
19	236	7.45098034	92.54901966	2983.1
20	235	7.8431372	92.15686280	2998.0
21	234	8.23529406	91.76470594	3012.9
22	233	8.62745092	91.37254908	3027.8
23	232	9.01960778	90.98039222	3042.7
24	231	9.41176464	90.58823536	3057.6
25	230	9.8039215	90.19607850	3072.5
26	229	10.19607836	89.80392164	3087.5
27	228	10.58823522	89.41176478	3102.4
28	227	10.98039208	89.01960792	3117.3
29	226	11.37254894	88.62745106	3132.2
30	225	11.7647058	88.23529420	3147.1
31	224	12.15686266	87.84313734	3162.0
32	223	12.54901952	87.45098048	3176.9
33	222	12.94117638	87.05882362	3191.8
34	221	13.33333324	86.66666676	3206.7
35	220	13.7254901	86.27450990	3221.6

NOTES:

1. The combined output from the Warm and Cool LED channels must not exceed 100%.
2. Attempting to drive both channels simultaneously @ >50% will cause overheating and failure of the LEDs.

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36	219	14.11764696	85.88235304	3236.5
37	218	14.50980382	85.49019618	3251.4
38	217	14.90196068	85.09803932	3266.3
39	216	15.29411754	84.70588246	3281.2
40	215	15.6862744	84.31372560	3296.1
41	214	16.07843126	83.92156874	3311.0
42	213	16.47058812	83.52941188	3325.9
43	212	16.86274498	83.13725502	3340.8
44	211	17.25490184	82.74509816	3355.7
45	210	17.6470587	82.35294130	3370.6
46	209	18.03921556	81.96078444	3385.5
47	208	18.43137242	81.56862758	3400.4
48	207	18.82352928	81.17647072	3415.3
49	206	19.21568614	80.78431386	3430.2
50	205	19.607843	80.39215700	3445.1
51	204	19.99999986	80.00000014	3460.0
52	203	20.39215672	79.60784328	3474.9
53	202	20.78431358	79.21568642	3489.8
54	201	21.17647044	78.82352956	3504.7
55	200	21.5686273	78.43137270	3519.6
56	199	21.96078416	78.03921584	3534.5
57	198	22.35294102	77.64705898	3549.4
58	197	22.74509788	77.25490212	3564.3
59	196	23.13725474	76.86274526	3579.2
60	195	23.5294116	76.47058840	3594.1
61	194	23.92156846	76.07843154	3609.0
62	193	24.31372532	75.68627468	3623.9
63	192	24.70588218	75.29411782	3638.8
64	191	25.09803904	74.90196096	3653.7
65	190	25.4901959	74.50980410	3668.6
66	189	25.88235276	74.11764724	3683.5
67	188	26.27450962	73.72549038	3698.4
68	187	26.66666648	73.33333352	3713.3
69	186	27.05882334	72.94117666	3728.2
70	185	27.4509802	72.54901980	3743.1
71	184	27.84313706	72.15686294	3758.0

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72	183	28.23529392	71.76470608	3772.9
73	182	28.62745078	71.37254922	3787.8
74	181	29.01960764	70.98039236	3802.7
75	180	29.4117645	70.58823550	3817.6
76	179	29.80392136	70.19607864	3832.5
77	178	30.19607822	69.80392178	3847.5
78	177	30.58823508	69.41176492	3862.4
79	176	30.98039194	69.01960806	3877.3
80	175	31.3725488	68.62745120	3892.2
81	174	31.76470566	68.23529434	3907.1
82	173	32.15686252	67.84313748	3922.0
83	172	32.54901938	67.45098062	3936.9
84	171	32.94117624	67.05882376	3951.8
85	170	33.33333331	66.66666690	3966.7
86	169	33.72548996	66.27451004	3981.6
87	168	34.11764682	65.88235318	3996.5
88	167	34.50980368	65.49019632	4011.4
89	166	34.90196054	65.09803946	4026.3
90	165	35.2941174	64.70588260	4041.2
91	164	35.68627426	64.31372574	4056.1
92	163	36.07843112	63.92156888	4071.0
93	162	36.47058798	63.52941202	4085.9
94	161	36.86274484	63.13725516	4100.8
95	160	37.2549017	62.74509830	4115.7
96	159	37.64705856	62.35294144	4130.6
97	158	38.03921542	61.96078458	4145.5
98	157	38.43137228	61.56862772	4160.4
99	156	38.82352914	61.17647086	4175.3
100	155	39.215686	60.78431400	4190.2
101	154	39.60784286	60.39215714	4205.1
102	153	39.99999972	60.00000028	4220.0
103	152	40.39215658	59.60784342	4234.9
104	151	40.78431344	59.21568656	4249.8
105	150	41.1764703	58.82352970	4264.7
106	149	41.56862716	58.43137284	4279.6
107	148	41.96078402	58.03921598	4294.5

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108	147	42.35294088	57.64705912	4309.4
109	146	42.74509774	57.25490226	4324.3
110	145	43.1372546	56.86274540	4339.2
111	144	43.52941146	56.47058854	4354.1
112	143	43.92156832	56.07843168	4369.0
113	142	44.31372518	55.68627482	4383.9
114	141	44.70588204	55.29411796	4398.8
115	140	45.0980389	54.90196110	4413.7
116	139	45.49019576	54.50980424	4428.6
117	138	45.88235262	54.11764738	4443.5
118	137	46.27450948	53.72549052	4458.4
119	136	46.66666634	53.33333366	4473.3
120	135	47.0588232	52.94117680	4488.2
121	134	47.45098006	52.54901994	4503.1
122	133	47.84313692	52.15686308	4518.0
123	132	48.23529378	51.76470622	4532.9
124	131	48.62745064	51.37254936	4547.8
125	130	49.0196075	50.98039250	4562.7
126	129	49.41176436	50.58823564	4577.6
127	128	49.80392122	50.19607878	4592.5
128	127	50.19607808	49.80392192	4607.5
129	126	50.58823494	49.41176506	4622.4
130	125	50.9803918	49.01960820	4637.3
131	124	51.37254866	48.62745134	4652.2
132	123	51.76470552	48.23529448	4667.1
133	122	52.15686238	47.84313762	4682.0
134	121	52.54901924	47.45098076	4696.9
135	120	52.9411761	47.05882390	4711.8
136	119	53.33333296	46.66666704	4726.7
137	118	53.72548982	46.27451018	4741.6
138	117	54.11764668	45.88235332	4756.5
139	116	54.50980354	45.49019646	4771.4
140	115	54.9019604	45.09803960	4786.3
141	114	55.29411726	44.70588274	4801.2
142	113	55.68627412	44.31372588	4816.1
143	112	56.07843098	43.92156902	4831.0

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144	111	56.47058784	43.52941216	4845.9
145	110	56.8627447	43.13725530	4860.8
146	109	57.25490156	42.74509844	4875.7
147	108	57.64705842	42.35294158	4890.6
148	107	58.03921528	41.96078472	4905.5
149	106	58.43137214	41.56862786	4920.4
150	105	58.823529	41.17647100	4935.3
151	104	59.21568586	40.78431414	4950.2
152	103	59.60784272	40.39215728	4965.1
153	102	59.99999958	40.00000042	4980.0
154	101	60.39215644	39.60784356	4994.9
155	100	60.7843133	39.21568670	5009.8
156	99	61.17647016	38.82352984	5024.7
157	98	61.56862702	38.43137298	5039.6
158	97	61.96078388	38.03921612	5054.5
159	96	62.35294074	37.64705926	5069.4
160	95	62.7450976	37.25490240	5084.3
161	94	63.13725446	36.86274554	5099.2
162	93	63.52941132	36.47058868	5114.1
163	92	63.92156818	36.07843182	5129.0
164	91	64.31372504	35.68627496	5143.9
165	90	64.7058819	35.29411810	5158.8
166	89	65.09803876	34.90196124	5173.7
167	88	65.49019562	34.50980438	5188.6
168	87	65.88235248	34.11764752	5203.5
169	86	66.27450934	33.72549066	5218.4
170	85	66.6666662	33.33333380	5233.3
171	84	67.05882306	32.94117694	5248.2
172	83	67.45097992	32.54902008	5263.1
173	82	67.84313678	32.15686322	5278.0
174	81	68.23529364	31.76470636	5292.9
175	80	68.6274505	31.37254950	5307.8
176	79	69.01960736	30.98039264	5322.7
177	78	69.41176422	30.58823578	5337.6
178	77	69.80392108	30.19607892	5352.5
179	76	70.19607794	29.80392206	5367.5

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180	75	70.5882348	29.41176520	5382.4
181	74	70.98039166	29.01960834	5397.3
182	73	71.37254852	28.62745148	5412.2
183	72	71.76470538	28.23529462	5427.1
184	71	72.15686224	27.84313776	5442.0
185	70	72.5490191	27.45098090	5456.9
186	69	72.94117596	27.05882404	5471.8
187	68	73.33333282	26.66666718	5486.7
188	67	73.72548968	26.27451032	5501.6
189	66	74.11764654	25.88235346	5516.5
190	65	74.5098034	25.49019660	5531.4
191	64	74.90196026	25.09803974	5546.3
192	63	75.29411712	24.70588288	5561.2
193	62	75.68627398	24.31372602	5576.1
194	61	76.07843084	23.92156916	5591.0
195	60	76.4705877	23.52941230	5605.9
196	59	76.86274456	23.13725544	5620.8
197	58	77.25490142	22.74509858	5635.7
198	57	77.64705828	22.35294172	5650.6
199	56	78.03921514	21.96078486	5665.5
200	55	78.431372	21.56862800	5680.4
201	54	78.82352886	21.17647114	5695.3
202	53	79.21568572	20.78431428	5710.2
203	52	79.60784258	20.39215742	5725.1
204	51	79.99999944	20.00000056	5740.0
205	50	80.3921563	19.60784370	5754.9
206	49	80.78431316	19.21568684	5769.8
207	48	81.17647002	18.82352998	5784.7
208	47	81.56862688	18.43137312	5799.6
209	46	81.96078374	18.03921626	5814.5
210	45	82.3529406	17.64705940	5829.4
211	44	82.74509746	17.25490254	5844.3
212	43	83.13725432	16.86274568	5859.2
213	42	83.52941118	16.47058882	5874.1
214	41	83.92156804	16.07843196	5889.0
215	40	84.3137249	15.68627510	5903.9

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216	39	84.70588176	15.29411824	5918.8
217	38	85.09803862	14.90196138	5933.7
218	37	85.49019548	14.50980452	5948.6
219	36	85.88235234	14.11764766	5963.5
220	35	86.2745092	13.72549080	5978.4
221	34	86.66666606	13.33333394	5993.3
222	33	87.05882292	12.94117708	6008.2
223	32	87.45097978	12.54902022	6023.1
224	31	87.84313664	12.15686336	6038.0
225	30	88.2352935	11.76470650	6052.9
226	29	88.62745036	11.37254964	6067.8
227	28	89.01960722	10.98039278	6082.7
228	27	89.41176408	10.58823592	6097.6
229	26	89.80392094	10.19607906	6112.5
230	25	90.1960778	9.80392220	6127.5
231	24	90.58823466	9.41176534	6142.4
232	23	90.98039152	9.01960848	6157.3
233	22	91.37254838	8.62745162	6172.2
234	21	91.76470524	8.23529476	6187.1
235	20	92.1568621	7.84313790	6202.0
236	19	92.54901896	7.45098104	6216.9
237	18	92.94117582	7.05882418	6231.8
238	17	93.33333268	6.66666732	6246.7
239	16	93.72548954	6.27451046	6261.6
240	15	94.1176464	5.88235360	6276.5
241	14	94.50980326	5.49019674	6291.4
242	13	94.90196012	5.09803988	6306.3
243	12	95.29411698	4.70588302	6321.2
244	11	95.68627384	4.31372616	6336.1
245	10	96.0784307	3.92156930	6351.0
246	9	96.47058756	3.52941244	6365.9
247	8	96.86274442	3.13725558	6380.8
248	7	97.25490128	2.74509872	6395.7
249	6	97.64705814	2.35294186	6410.6
250	5	98.039215	1.96078500	6425.5
251	4	98.43137186	1.56862814	6440.4

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252	3	98.82352872	1.17647128	6455.3
253	2	99.21568558	0.78431442	6470.2
254	1	99.60784244	0.39215756	6485.1
255	0	99.99999993	0.00000070	6500.0