

ACI-2685 Addendum to Datasheet
 PWM Look-up Table
 9/14/2015

f=250Hz

Index	Step	Input PWM Duty Cycle(%)	Input on-time (ms)	Iout(mA)	Iout(%)	ACD-LG240- 2536 Brightness (%)
0		0.00	0.00	0.0	0.00	0.00
1		0.39	0.02	0.0	0.00	0.00
2		0.78	0.03	0.0	0.00	0.00
3		1.18	0.05	0.0	0.00	0.00
4		1.57	0.06	0.0	0.00	0.00
5		1.96	0.08	0.0	0.00	0.00
6		2.35	0.09	0.0	0.00	0.00
7		2.75	0.11	0.0	0.00	0.00
8		3.14	0.13	0.0	0.00	0.00
9		3.53	0.14	0.0	0.00	0.00
10		3.92	0.16	0.0	0.00	0.00
11		4.31	0.17	0.0	0.00	0.00
12		4.71	0.19	0.0	0.00	0.00
13		5.10	0.20	0.0	0.00	0.00
14		5.49	0.22	0.0	0.00	0.00
15		5.88	0.24	0.0	0.00	0.00
16		6.27	0.25	0.0	0.00	0.00
17		6.67	0.27	0.0	0.00	0.00
18		7.06	0.28	0.0	0.00	0.00
19		7.45	0.30	0.0	0.00	0.00
20		7.84	0.31	0.0	0.00	0.00
21		8.24	0.33	0.0	0.00	0.00
22		8.63	0.35	0.0	0.00	0.00
23		9.02	0.36	0.0	0.00	0.00
24		9.41	0.38	0.0	0.00	0.00
25		9.80	0.39	0.0	0.00	0.00
26	1	10.20	0.41	2.1	0.42	0.34
27	1	10.59	0.42	2.1	0.42	0.34
28	1	10.98	0.44	2.1	0.42	0.34
29	2	11.37	0.45	2.5	0.50	0.41
30	2	11.76	0.47	2.5	0.50	0.41
31	2	12.16	0.49	2.5	0.50	0.41
32	3	12.55	0.50	2.9	0.58	0.49
33	3	12.94	0.52	2.9	0.58	0.49
34	3	13.33	0.53	2.9	0.58	0.49
35	4	13.73	0.55	3.4	0.68	0.62
36	4	14.12	0.56	3.4	0.68	0.62

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37	4	14.51	0.58	3.4	0.68	0.62
38	5	14.90	0.60	4.0	0.80	0.74
39	5	15.29	0.61	4.0	0.80	0.74
40	5	15.69	0.63	4.0	0.80	0.74
41	6	16.08	0.64	4.6	0.92	0.86
42	6	16.47	0.66	4.6	0.92	0.86
43	6	16.86	0.67	4.6	0.92	0.86
44	7	17.25	0.69	5.6	1.12	1.08
45	7	17.65	0.71	5.6	1.12	1.08
46	7	18.04	0.72	5.6	1.12	1.08
47	8	18.43	0.74	6.5	1.30	1.29
48	8	18.82	0.75	6.5	1.30	1.29
49	8	19.22	0.77	6.5	1.30	1.29
50	9	19.61	0.78	7.5	1.50	1.51
51	9	20.00	0.80	7.5	1.50	1.51
52	9	20.39	0.82	7.5	1.50	1.51
53	10	20.78	0.83	8.8	1.76	1.81
54	10	21.18	0.85	8.8	1.76	1.81
55	10	21.57	0.86	8.8	1.76	1.81
56	11	21.96	0.88	10.6	2.12	2.22
57	11	22.35	0.89	10.6	2.12	2.22
58	11	22.75	0.91	10.6	2.12	2.22
59	12	23.14	0.93	12.3	2.46	2.63
60	12	23.53	0.94	12.3	2.46	2.63
61	12	23.92	0.96	12.3	2.46	2.63
62	13	24.31	0.97	14.6	2.92	3.17
63	13	24.71	0.99	14.6	2.92	3.17
64	13	25.10	1.00	14.6	2.92	3.17
65	14	25.49	1.02	17.3	3.46	3.80
66	14	25.88	1.04	17.3	3.46	3.80
67	14	26.27	1.05	17.3	3.46	3.80
68	15	26.67	1.07	20.2	4.04	4.50
69	15	27.06	1.08	20.2	4.04	4.50
70	15	27.45	1.10	20.2	4.04	4.50
71	16	27.84	1.11	24.2	4.84	5.45
72	16	28.24	1.13	24.2	4.84	5.45
73	16	28.63	1.15	24.2	4.84	5.45

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74	17	29.02	1.16	28.7	5.74	6.50
75	17	29.41	1.18	28.7	5.74	6.50
76	17	29.80	1.19	28.7	5.74	6.50
77	18	30.20	1.21	34.1	6.82	7.79
78	18	30.59	1.22	34.1	6.82	7.79
79	18	30.98	1.24	34.1	6.82	7.79
80	19	31.37	1.25	40.5	8.10	9.29
81	19	31.76	1.27	40.5	8.10	9.29
82	19	32.16	1.29	40.5	8.10	9.29
83	20	32.55	1.30	48.3	9.66	11.10
84	20	32.94	1.32	48.3	9.66	11.10
85	20	33.33	1.33	48.3	9.66	11.10
86	21	33.73	1.35	58.1	11.62	13.40
87	21	34.12	1.36	58.1	11.62	13.40
88	21	34.51	1.38	58.1	11.62	13.40
89	22	34.90	1.40	68.1	13.62	15.71
90	22	35.29	1.41	68.1	13.62	15.71
91	22	35.69	1.43	68.1	13.62	15.71
92	23	36.08	1.44	82.2	16.44	19.08
93	23	36.47	1.46	82.2	16.44	19.08
94	23	36.86	1.47	82.2	16.44	19.08
95	24	37.25	1.49	98.3	19.66	22.78
96	24	37.65	1.51	98.3	19.66	22.78
97	24	38.04	1.52	98.3	19.66	22.78
98	25	38.43	1.54	117.0	23.40	26.97
99	25	38.82	1.55	117.0	23.40	26.97
100	25	39.22	1.57	117.0	23.40	26.97
101	26	39.61	1.58	141.0	28.20	32.32
102	26	40.00	1.60	141.0	28.20	32.32
103	26	40.39	1.62	141.0	28.20	32.32
104	27	40.78	1.63	165.0	33.00	37.66
105	27	41.18	1.65	165.0	33.00	37.66
106	27	41.57	1.66	165.0	33.00	37.66
107	28	41.96	1.68	204.0	40.80	45.81
108	28	42.35	1.69	204.0	40.80	45.81
109	28	42.75	1.71	204.0	40.80	45.81
110	29	43.14	1.73	250.0	50.00	55.26

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111	29	43.53	1.74	250.0	50.00	55.26
112	29	43.92	1.76	250.0	50.00	55.26
113	30	44.31	1.77	301.0	60.20	65.54
114	30	44.71	1.79	301.0	60.20	65.54
115	30	45.10	1.80	301.0	60.20	65.54
116	31	45.49	1.82	371.0	74.20	78.45
117	31	45.88	1.84	371.0	74.20	78.45
118	31	46.27	1.85	371.0	74.20	78.45
119	32	46.67	1.87	500.0	100.00	100.00
120	32	47.06	1.88	500.0	100.00	100.00
121	32	47.45	1.90	500.0	100.00	100.00
122	32	47.84	1.91	500.0	100.00	100.00
123	32	48.24	1.93	500.0	100.00	100.00
124	32	48.63	1.95	500.0	100.00	100.00
125		49.02	1.96	0.00	0.00	0.00
126		49.41	1.98	0.00	0.00	0.00
127		49.80	1.99	0.00	0.00	0.00
128	1	50.20	2.01	0.40	0.08	0.03
129	1	50.59	2.02	0.40	0.08	0.03
130	1	50.98	2.04	0.40	0.08	0.03
131	2	51.37	2.05	0.49	0.10	0.05
132	2	51.76	2.07	0.49	0.10	0.05
133	2	52.16	2.09	0.49	0.10	0.05
134	3	52.55	2.10	0.58	0.12	0.06
135	3	52.94	2.12	0.58	0.12	0.06
136	3	53.33	2.13	0.58	0.12	0.06
137	4	53.73	2.15	0.68	0.14	0.07
138	4	54.12	2.16	0.68	0.14	0.07
139	4	54.51	2.18	0.68	0.14	0.07
140	5	54.90	2.20	0.85	0.17	0.10
141	5	55.29	2.21	0.85	0.17	0.10
142	5	55.69	2.23	0.85	0.17	0.10
143	6	56.08	2.24	1.00	0.20	0.13
144	6	56.47	2.26	1.00	0.20	0.13
145	6	56.86	2.27	1.00	0.20	0.13
146	7	57.25	2.29	1.24	0.25	0.17
147	7	57.65	2.31	1.24	0.25	0.17

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148	7	58.04	2.32	1.24	0.25	0.17
149	8	58.43	2.34	1.57	0.31	0.23
150	8	58.82	2.35	1.57	0.31	0.23
151	8	59.22	2.37	1.57	0.31	0.23
152	9	59.61	2.38	1.94	0.39	0.30
153	9	60.00	2.40	1.94	0.39	0.30
154	9	60.39	2.42	1.94	0.39	0.30
155	10	60.78	2.43	2.45	0.49	0.41
156	10	61.18	2.45	2.45	0.49	0.41
157	10	61.57	2.46	2.45	0.49	0.41
158	11	61.96	2.48	3.10	0.62	0.54
159	11	62.35	2.49	3.10	0.62	0.54
160	11	62.75	2.51	3.10	0.62	0.54
161	12	63.14	2.53	3.80	0.76	0.69
162	12	63.53	2.54	3.80	0.76	0.69
163	12	63.92	2.56	3.80	0.76	0.69
164	13	64.31	2.57	4.80	0.96	0.90
165	13	64.71	2.59	4.80	0.96	0.90
166	13	65.10	2.60	4.80	0.96	0.90
167	14	65.49	2.62	6.00	1.20	1.19
168	14	65.88	2.64	6.00	1.20	1.19
169	14	66.27	2.65	6.00	1.20	1.19
170	15	66.67	2.67	7.50	1.50	1.52
171	15	67.06	2.68	7.50	1.50	1.52
172	15	67.45	2.70	7.50	1.50	1.52
173	16	67.84	2.71	9.60	1.92	2.00
174	16	68.24	2.73	9.60	1.92	2.00
175	16	68.63	2.75	9.60	1.92	2.00
176	16	69.02	2.76	9.60	1.92	2.00
177	16	69.41	2.78	9.60	1.92	2.00
178	16	69.80	2.79	9.60	1.92	2.00
179		70.20	2.81	0.00	0.00	0.00
180		70.59	2.82	0.00	0.00	0.00
181		70.98	2.84	0.00	0.00	0.00
182		71.37	2.85	0.00	0.00	0.00
183		71.76	2.87	0.00	0.00	0.00
184		72.16	2.89	0.00	0.00	0.00

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185		72.55	2.90	0.00	0.00	0.00
186		72.94	2.92	0.00	0.00	0.00
187		73.33	2.93	0.00	0.00	0.00
188		73.73	2.95	0.00	0.00	0.00
189		74.12	2.96	0.00	0.00	0.00
190		74.51	2.98	0.00	0.00	0.00
191		74.90	3.00	0.00	0.00	0.00
192		75.29	3.01	0.00	0.00	0.00
193		75.69	3.03	0.00	0.00	0.00
194		76.08	3.04	0.00	0.00	0.00
195		76.47	3.06	0.00	0.00	0.00
196		76.86	3.07	0.00	0.00	0.00
197		77.25	3.09	0.00	0.00	0.00
198		77.65	3.11	0.00	0.00	0.00
199		78.04	3.12	0.00	0.00	0.00
200		78.43	3.14	0.00	0.00	0.00
201		78.82	3.15	0.00	0.00	0.00
202		79.22	3.17	0.00	0.00	0.00
203		79.61	3.18	0.00	0.00	0.00
204		80.00	3.20	0.00	0.00	0.00
205		80.39	3.22	0.00	0.00	0.00
206		80.78	3.23	0.00	0.00	0.00
207		81.18	3.25	0.00	0.00	0.00
208		81.57	3.26	0.00	0.00	0.00
209		81.96	3.28	0.00	0.00	0.00
210		82.35	3.29	0.00	0.00	0.00
211		82.75	3.31	0.00	0.00	0.00
212		83.14	3.33	0.00	0.00	0.00
213		83.53	3.34	0.00	0.00	0.00
214		83.92	3.36	0.00	0.00	0.00
215		84.31	3.37	0.00	0.00	0.00
216		84.71	3.39	0.00	0.00	0.00
217		85.10	3.40	0.00	0.00	0.00
218		85.49	3.42	0.00	0.00	0.00
219		85.88	3.44	0.00	0.00	0.00
220		86.27	3.45	0.00	0.00	0.00
221		86.67	3.47	0.00	0.00	0.00

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222		87.06	3.48	0.00	0.00	0.00
223		87.45	3.50	0.00	0.00	0.00
224		87.84	3.51	0.00	0.00	0.00
225		88.24	3.53	0.00	0.00	0.00
226		88.63	3.55	0.00	0.00	0.00
227		89.02	3.56	0.00	0.00	0.00
228		89.41	3.58	0.00	0.00	0.00
229		89.80	3.59	0.00	0.00	0.00
230		90.20	3.61	0.00	0.00	0.00
231		90.59	3.62	0.00	0.00	0.00
232		90.98	3.64	0.00	0.00	0.00
233		91.37	3.65	0.00	0.00	0.00
234		91.76	3.67	0.00	0.00	0.00
235		92.16	3.69	0.00	0.00	0.00
236		92.55	3.70	0.00	0.00	0.00
237		92.94	3.72	0.00	0.00	0.00
238		93.33	3.73	0.00	0.00	0.00
239		93.73	3.75	0.00	0.00	0.00
240		94.12	3.76	500.0	100.00	100.00
241		94.51	3.78	500.0	100.00	100.00
242		94.90	3.80	500.0	100.00	100.00
243		95.29	3.81	500.0	100.00	100.00
244		95.69	3.83	500.0	100.00	100.00
245		96.08	3.84	500.0	100.00	100.00
246		96.47	3.86	500.0	100.00	100.00
247		96.86	3.87	500.0	100.00	100.00
248		97.25	3.89	500.0	100.00	100.00
249		97.65	3.91	500.0	100.00	100.00
250		98.04	3.92	500.0	100.00	100.00
251		98.43	3.94	500.0	100.00	100.00
252		98.82	3.95	500.0	100.00	100.00
253		99.22	3.97	500.0	100.00	100.00
254		99.61	3.98	500.0	100.00	100.00
255		100.00	4.00	500.0	100.00	100.00