

ADVANCED ILLUMINATION BL 138 SERIES BACK LIGHTS

Expandable High Power Linear Backlights

BL13812-85024

Ai High Power Linear Backlight, 12", IR, 24V

- 510,000 lux - perfect for line-scanning applications
- Available 6" (152.4mm) increments from 6" (152.4mm) to 96" (2438.4mm) with the exception of a 3" (76.2mm) model
- Intensity control of entire light via 0 - 10v input



PRODUCT DESCRIPTION

The BL138 is a high intensity linear backlight offering 510 kLux output, making this perfect for back-lit, line scanning applications.

Available from 6" length up to 96" in increments of 6". A 3" (75mm) length option is also available. Available intensity control provides illuminance adjustability for every 6" increment via a 0 – 10v input.

Power options include:

- C1 connector - for use with DCS series controllers
- C5 connector - for use with Pulsar 320 strobe controller
- Continuous in-line controller - powered by 24V power supply
- Flying/tinned leads - powered by 24V power supply

For enquiries or quotes for sizes and power options not listed here please [contact us](#).

TECHNICAL DATA

TECHNICAL DATA

Wavelength	850
Colour	Infrared
Length	305 mm
Width	90.8 mm
Connector/controller	flying/tinned leads
Standard cable length	Up to 2 meters
Photobiological risk factor IEC 6247	Exempt
Operating temperature	0°C - 60°C
Approvals	IEC 62471, CE, RoHS
IP class	IP50

DATE	VERSION	DESCRIPTION
NUMBER	DOC	
01	1.0	Initial Release
02	1.1	Added 18" and 24" models
03	1.2	Added 30" model
04	1.3	Added 36" model
05	1.4	Added 42" model
06	1.5	Added 48" model
07	1.6	Added 54" model
08	1.7	Added 60" model
09	1.8	Added 66" model
10	1.9	Added 72" model
11	2.0	Added 78" model
12	2.1	Added 84" model
13	2.2	Added 90" model
14	2.3	Added 96" model
15	2.4	Added 102" model
16	2.5	Added 108" model
17	2.6	Added 114" model
18	2.7	Added 120" model
19	2.8	Added 126" model
20	2.9	Added 132" model
21	3.0	Added 138" model
22	3.1	Added 144" model
23	3.2	Added 150" model
24	3.3	Added 156" model
25	3.4	Added 162" model
26	3.5	Added 168" model
27	3.6	Added 174" model
28	3.7	Added 180" model
29	3.8	Added 186" model
30	3.9	Added 192" model
31	4.0	Added 198" model
32	4.1	Added 204" model
33	4.2	Added 210" model
34	4.3	Added 216" model
35	4.4	Added 222" model
36	4.5	Added 228" model
37	4.6	Added 234" model
38	4.7	Added 240" model
39	4.8	Added 246" model
40	4.9	Added 252" model
41	5.0	Added 258" model
42	5.1	Added 264" model
43	5.2	Added 270" model
44	5.3	Added 276" model
45	5.4	Added 282" model
46	5.5	Added 288" model
47	5.6	Added 294" model
48	5.7	Added 300" model
49	5.8	Added 306" model
50	5.9	Added 312" model
51	6.0	Added 318" model
52	6.1	Added 324" model
53	6.2	Added 330" model
54	6.3	Added 336" model
55	6.4	Added 342" model
56	6.5	Added 348" model
57	6.6	Added 354" model
58	6.7	Added 360" model
59	6.8	Added 366" model
60	6.9	Added 372" model
61	7.0	Added 378" model
62	7.1	Added 384" model
63	7.2	Added 390" model
64	7.3	Added 396" model
65	7.4	Added 402" model
66	7.5	Added 408" model
67	7.6	Added 414" model
68	7.7	Added 420" model
69	7.8	Added 426" model
70	7.9	Added 432" model
71	8.0	Added 438" model
72	8.1	Added 444" model
73	8.2	Added 450" model
74	8.3	Added 456" model
75	8.4	Added 462" model
76	8.5	Added 468" model
77	8.6	Added 474" model
78	8.7	Added 480" model
79	8.8	Added 486" model
80	8.9	Added 492" model
81	9.0	Added 498" model
82	9.1	Added 504" model
83	9.2	Added 510" model
84	9.3	Added 516" model
85	9.4	Added 522" model
86	9.5	Added 528" model
87	9.6	Added 534" model
88	9.7	Added 540" model
89	9.8	Added 546" model
90	9.9	Added 552" model
91	10.0	Added 558" model
92	10.1	Added 564" model
93	10.2	Added 570" model
94	10.3	Added 576" model
95	10.4	Added 582" model
96	10.5	Added 588" model
97	10.6	Added 594" model
98	10.7	Added 600" model
99	10.8	Added 606" model
100	10.9	Added 612" model
101	11.0	Added 618" model
102	11.1	Added 624" model
103	11.2	Added 630" model
104	11.3	Added 636" model
105	11.4	Added 642" model
106	11.5	Added 648" model
107	11.6	Added 654" model
108	11.7	Added 660" model
109	11.8	Added 666" model
110	11.9	Added 672" model
111	12.0	Added 678" model
112	12.1	Added 684" model
113	12.2	Added 690" model
114	12.3	Added 696" model
115	12.4	Added 702" model
116	12.5	Added 708" model
117	12.6	Added 714" model
118	12.7	Added 720" model
119	12.8	Added 726" model
120	12.9	Added 732" model
121	13.0	Added 738" model
122	13.1	Added 744" model
123	13.2	Added 750" model
124	13.3	Added 756" model
125	13.4	Added 762" model
126	13.5	Added 768" model
127	13.6	Added 774" model
128	13.7	Added 780" model
129	13.8	Added 786" model
130	13.9	Added 792" model
131	14.0	Added 798" model
132	14.1	Added 804" model
133	14.2	Added 810" model
134	14.3	Added 816" model
135	14.4	Added 822" model
136	14.5	Added 828" model
137	14.6	Added 834" model
138	14.7	Added 840" model
139	14.8	Added 846" model
140	14.9	Added 852" model
141	15.0	Added 858" model
142	15.1	Added 864" model
143	15.2	Added 870" model
144	15.3	Added 876" model
145	15.4	Added 882" model
146	15.5	Added 888" model
147	15.6	Added 894" model
148	15.7	Added 900" model
149	15.8	Added 906" model
150	15.9	Added 912" model
151	16.0	Added 918" model
152	16.1	Added 924" model
153	16.2	Added 930" model
154	16.3	Added 936" model
155	16.4	Added 942" model
156	16.5	Added 948" model
157	16.6	Added 954" model
158	16.7	Added 960" model
159	16.8	Added 966" model
160	16.9	Added 972" model
161	17.0	Added 978" model
162	17.1	Added 984" model
163	17.2	Added 990" model
164	17.3	Added 996" model
165	17.4	Added 1002" model
166	17.5	Added 1008" model
167	17.6	Added 1014" model
168	17.7	Added 1020" model
169	17.8	Added 1026" model
170	17.9	Added 1032" model
171	18.0	Added 1038" model
172	18.1	Added 1044" model
173	18.2	Added 1050" model
174	18.3	Added 1056" model
175	18.4	Added 1062" model
176	18.5	Added 1068" model
177	18.6	Added 1074" model
178	18.7	Added 1080" model
179	18.8	Added 1086" model
180	18.9	Added 1092" model
181	19.0	Added 1098" model
182	19.1	Added 1104" model
183	19.2	Added 1110" model
184	19.3	Added 1116" model
185	19.4	Added 1122" model
186	19.5	Added 1128" model
187	19.6	Added 1134" model
188	19.7	Added 1140" model
189	19.8	Added 1146" model
190	19.9	Added 1152" model
191	20.0	Added 1158" model
192	20.1	Added 1164" model
193	20.2	Added 1170" model
194	20.3	Added 1176" model
195	20.4	Added 1182" model
196	20.5	Added 1188" model
197	20.6	Added 1194" model
198	20.7	Added 1200" model
199	20.8	Added 1206" model
200	20.9	Added 1212" model
201	21.0	Added 1218" model
202	21.1	Added 1224" model
203	21.2	Added 1230" model
204	21.3	Added 1236" model
205	21.4	Added 1242" model
206	21.5	Added 1248" model
207	21.6	Added 1254" model
208	21.7	Added 1260" model
209	21.8	Added 1266" model
210	21.9	Added 1272" model
211	22.0	Added 1278" model
212	22.1	Added 1284" model
213	22.2	Added 1290" model
214	22.3	Added 1296" model
215	22.4	Added 1302" model
216	22.5	Added 1308" model
217	22.6	Added 1314" model
218	22.7	Added 1320" model
219	22.8	Added 1326" model
220	22.9	Added 1332" model
221	23.0	Added 1338" model
222	23.1	Added 1344" model
223	23.2	Added 1350" model
224	23.3	Added 1356" model
225	23.4	Added 1362" model
226	23.5	Added 1368" model
227	23.6	Added 1374" model
228	23.7	Added 1380" model
229	23.8	Added 1386" model
230	23.9	Added 1392" model
231	24.0	Added 1398" model
232	24.1	Added 1404" model
233	24.2	Added 1410" model
234	24.3	Added 1416" model
235	24.4	Added 1422" model
236	24.5	Added 1428" model
237	24.6	Added 1434" model
238	24.7	Added 1440" model
239	24.8	Added 1446" model
240	24.9	Added 1452" model
241	25.0	Added 1458" model
242	25.1	Added 1464" model
243	25.2	Added 1470" model
244	25.3	Added 1476" model
245	25.4	Added 1482" model
246	25.5	Added 1488" model
247	25.6	Added 1494" model
248	25.7	Added 1500" model
249	25.8	Added 1506" model
250	25.9	Added 1512" model
251	26.0	Added 1518" model
252	26.1	Added 1524" model
253	26.2	Added 1530" model
254	26.3	Added 1536" model
255	26.4	Added 1542" model
256	26.5	Added 1548" model
257	26.6	Added 1554" model
258	26.7	Added 1560" model
259	26.8	Added 1566" model
260	26.9	Added 1572" model
261	27.0	Added 1578" model
262	27.1	Added 1584" model
263	27.2	Added 1590" model
264	27.3	Added 1596" model
265	27.4	Added 1602" model
266	27.5	Added 1608" model
267	27.6	Added 1614" model
268	27.7	Added 1620" model
269	27.8	Added 1626" model
270	27.9	Added 1632" model
271	28.0	Added 1638" model
272	28.1	Added 1644" model
273	28.2	Added 1650" model
274	28.3	Added 1656" model
275	28.4	Added 1662" model
276	28.5	Added 1668" model
277	28.6	Added 1674" model
278	28.7	Added 1680" model
279	28.8	Added 1686" model
280	28.9	Added 1692" model
281	29.0	Added 1698" model
282	29.1	Added 1704" model
283	29.2	Added 1710" model
284	29.3	Added 1716" model
285	29.4	Added 1722" model
286	29.5	Added 1728" model
287	29.6	Added 1734" model
288	29.7	Added 1740" model
289	29.8	Added 1746" model
290	29.9	Added 1752" model
291	30.0	Added 1758" model
292	30.1	Added 1764" model
293	30.2	Added 1770" model
294	30.3	Added 1776" model
295	30.4	Added 1782" model
296	30.5	Added 1788" model
297	30.6	Added 1794" model
298	30.7	Added 1800" model
299	30.8	Added 1806" model
300	30.9	Added 1812" model
301	31.0	Added 1818" model
302	31.1	Added 1824" model
303	31.2	Added 1830" model
304	31.3	Added 1836" model
305	31.4	Added 1842" model
306	31.5	Added 1848" model
307	31.6	Added 1854" model
308	31.7	Added 1860" model
309	31.8	Added 1866" model
310	31.9	Added 1872" model
311	32.0	Added 1878" model
312	32.1	Added 1884" model
313	32.2	Added 1890" model
314	32.3	Added 1896" model
315	32.4	Added 1902" model
316	32.5	Added 1908" model
317	32.6	Added 1914" model
318	32.7	Added 1920" model
319	32.8	Added 1926" model
320	32.9	Added 1932" model
321	33.0	Added 1938" model
322	33.1	Added 1944" model
323	33.2	Added 1950" model
324	33.3	Added 1956" model
325	33.4	Added 1962" model
326	33.5	Added 1968" model
327	33.6	Added 1974" model
328	33.7	Added 1980" model
329	33.8	Added 1986" model
330	33.9	Added 1992" model
331	34.0	Added 1998" model
332	34.1	Added 2004" model
333	34.2	Added 2010" model
334	34.3	Added 2016" model
335	34.4	Added 2022" model
336	34.5	Added 2028" model
337	34.6	Added 2034" model
338	34.7	Added 2040" model
339	34.8	Added 2046" model
340	34.9	Added 2052" model
341	35.0	Added 2058" model
342	35.1	Added 2064" model
343	35.2	Added 2070" model
344	35.3	Added 2076" model
345	35.4	Added 2082" model
346	35.5	Added 2088" model
347	35.6	Added 2094" model
348	35.7	Added 2100" model
349	35.8	Added 2106" model
350	35.9	Added 2112" model
351	36.0	Added 2118" model
352	36.1	Added 2124" model