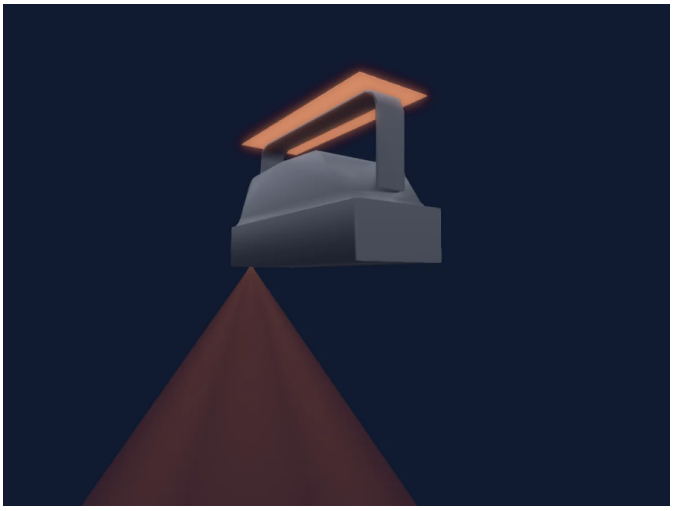
Black Light Design

Prolights Sunblast3000FC



Manufacturer	**Black Light Design**
Type	**Blinder**
DMX modes	**12**
DMX footprint	**4, 8, 15, 19, 27, 215 channels**
Beam angle	**25-120°**
Heads / cells	**3**
Size (W × H × D)	**416 × 164 × 55 mm**
GDTF fixture type	**D4ADD0D1-D87B-4C5D-AAF4-5…**

Controls

Extra LED colours · RGB colour mixing · Strobe · Dimmer · Pixel control · Gobos · Gobo rotation

DMX modes

Basic Pixel (192 ch)	4 ch
Basic Static (4ch)	4 ch
Basic Strobe (4ch)	4 ch
Basic RGBW Strobe (8ch)	8 ch
Pixels Pixels 1 (8ch)	8 ch
Pixels Pixels 12 (52ch)	8 ch
Pixels Pixels 2 (12ch)	8 ch
Pixels Pixels 3 (16ch)	8 ch
Advanced 1 (15ch)	15 ch
Advanced 2 (207ch)	19 ch
Advanced 3 (27ch)	27 ch
Advanced 4 (215ch)	215 ch

Basic Pixel (192 ch)

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

Basic Static (4ch)

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

Basic Strobe (4ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
3	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe
4	Strobe Mode Effect	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern

Basic RGBW Strobe (8ch)

8 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	
6	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
7	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe

Basic RGBW Strobe (8ch) (continued)

Ch	Function	Default	DMX values
8	Strobe Mode Shutter	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern

Pixels Pixels 1 (8ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
3	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe
4	Strobe Mode Effect	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

Pixels Pixels 12 (52ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
3	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe
4	Strobe Mode Effect	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

Pixels Pixels 2 (12ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
3	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe
4	Strobe Mode Effect	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

Pixels Pixels 3 (16ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Strobe Duration	128	0–254 Min Duration 255–255 Max Duration
3	Shutter / Strobe	0	0–10 Open 11–254 Slow Strobe 255–255 Fast Strobe
4	Strobe Mode Effect	0	0–2 No Effect 3–5 Static 6–42 Pulse Open 43–85 Pulse Close 86–128 Pulse 129–171 Random 172–214 Lighting 215–255 Pattern
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

Advanced 1 (15ch)

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Advanced 1 (15ch) (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
14	Gobo Rotation	0	0–50 Index 51–143 SlowRate 144–254 MidRate 255–255 FastRate

Advanced 1 (15ch) (continued)

Ch	Function	Default	DMX values
15	Dimmer Curve	0	0–51 From MENU 52–101 Mode OFF 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3

Advanced 2 (207ch)

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Dimmer	0	
8	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	

Advanced 2 (207ch) (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
14	Gobo Rotation	0	0–50 Index 51–143 SlowRate 144–254 MidRate 255–255 FastRate
15	Dimmer Curve	0	0–51 From MENU 52–101 Mode OFF 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3
16	Red	0	
17	Green	0	
18	Blue	0	
19	White	0	

Advanced 3 (27ch)

27 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

Advanced 3 (27ch) (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Dimmer	0	0–254 Closed 255–255 Open
14	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	0	
19	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
20	Gobo Rotation	0	0–50 Index 51–143 SlowRate 144–254 MidRate 255–255 FastRate

Advanced 3 (27ch) (continued)

Ch	Function	Default	DMX values
21	Gobo Offset	0	0–200 Continous start selection 201–255 Random distribution
22	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
23	Gobo Rotation	0	0–50 Index 51–143 SlowRate 144–254 MidRate 255–255 FastRate
24	Gobo Offset	0	0–200 Continous start selection 201–255 Random distribution
25	No Feature	0	
26	No Feature Fine	0	Fine byte of No Feature
27	Dimmer Curve	0	0–51 From MENU 52–101 Mode OFF 102–152 Mode 1 153–203 Mode 2 204–255 Mode 3

Advanced 4 (215ch)

215 channels

Ch	Function	Default	DMX values
1	Dimmer	6	
2	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
3	Red	0	
4	Green	0	
5	Blue	0	
6	White	0	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	
129	Reserved 129	0	
130	Reserved 130	0	
131	Reserved 131	0	
132	Reserved 132	0	
133	Reserved 133	0	
134	Reserved 134	0	
135	Reserved 135	0	
136	Reserved 136	0	
137	Reserved 137	0	
138	Reserved 138	0	
139	Reserved 139	0	
140	Reserved 140	0	
141	Reserved 141	0	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
142	Reserved 142	0	
143	Reserved 143	0	
144	Reserved 144	0	
145	Reserved 145	0	
146	Reserved 146	0	
147	Reserved 147	0	
148	Reserved 148	0	
149	Reserved 149	0	
150	Reserved 150	0	
151	Reserved 151	0	
152	Reserved 152	0	
153	Reserved 153	0	
154	Reserved 154	0	
155	Reserved 155	0	
156	Reserved 156	0	
157	Reserved 157	0	
158	Reserved 158	0	
159	Reserved 159	0	
160	Reserved 160	0	
161	Reserved 161	0	
162	Reserved 162	0	
163	Reserved 163	0	
164	Reserved 164	0	
165	Reserved 165	0	
166	Reserved 166	0	
167	Reserved 167	0	
168	Reserved 168	0	
169	Reserved 169	0	
170	Reserved 170	0	
171	Reserved 171	0	
172	Reserved 172	0	
173	Reserved 173	0	
174	Reserved 174	0	
175	Reserved 175	0	
176	Reserved 176	0	
177	Reserved 177	0	
178	Reserved 178	0	
179	Reserved 179	0	
180	Reserved 180	0	
181	Reserved 181	0	
182	Reserved 182	0	
183	Reserved 183	0	
184	Reserved 184	0	
185	Reserved 185	0	
186	Reserved 186	0	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
187	Reserved 187	0	
188	Reserved 188	0	
189	Reserved 189	0	
190	Reserved 190	0	
191	Reserved 191	0	
192	Reserved 192	0	
193	Reserved 193	0	
194	Reserved 194	0	
195	Dimmer	0	
196	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
197	Red	255	
198	Green	255	
199	Blue	255	
200	White	0	
201	Dimmer	0	
202	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open
203	Red	255	
204	Green	255	
205	Blue	255	
206	White	255	

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
207	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
208	Gobo Rotation	0	0–50 Index 51–143 SlowRate 144–254 MidRate 255–255 FastRate
209	Gobo Offset	0	
210	Shutter / Strobe	255	0–30 Closed 31–99 Slow Strobe 100–100 Fast Strobe 101–130 Open 131–199 Shutter1StrobeRandom 4 · Slow rnd 200–200 Shutter1StrobeRandom 4 · Fast rnd 201–255 Open

Advanced 4 (215ch) (continued)

Ch	Function	Default	DMX values
211	Gobo	0	0–10 NoFunction 11–15 Vertical Line <- 16–20 Vertical Line -> 21–25 Vertical Line <--> Bounce 26–30 Horizontal line UP to DN 31–35 Horizontal line DN to UP 36–40 Horizontal lines bounce 41–45 Horizontal > - < 46–50 Horizontal < - > 51–55 Block < - 56–60 Block - > 61–65 Lonely random pixel 66–70 Halves vertical 71–75 Halves horizontal 76–80 Quaters clockwise 81–85 Pixel clockwise 86–90 Pixel counterclockwise 91–95 Block > - < 96–100 Block < - > 101–105 Waves 106–110 Duck race 111–115 Stripes 116–120 Fan 121–125 All in sequence 126–205 Reserved 206–255 RandomPixel Density
212	Gobo Rotation	0	0–50 Shape index 51–255 Shape pos
213	Gobo Offset	0	
214	Dummy	0	
215	Dimmer Curve	0	