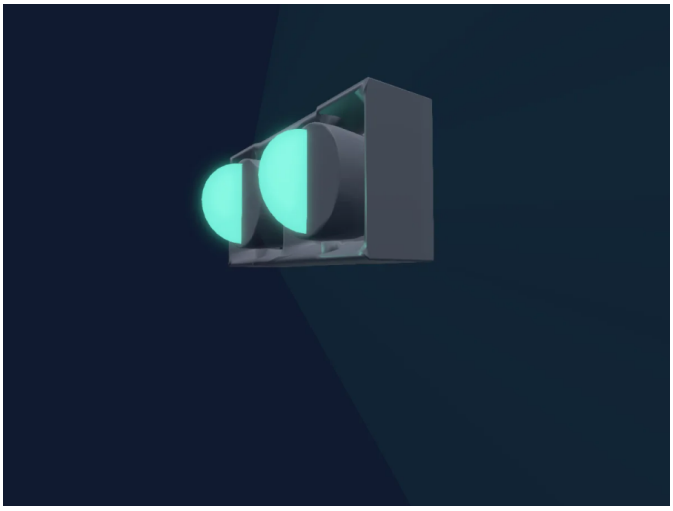
ROXX

CLUSTER B2-W



Manufacturer	**ROXX**
Type	**Blinder**
DMX modes	**7**
DMX footprint	**1, 2, 4, 5, 7, 10, 13 channels**
Beam angle	**50°**
Size (W × H × D)	**400 × 200 × 192 mm**
GDTF fixture type	**D55C4D75-A45F-41E4-9FD8-A8…**

Controls

Strobe · Dimmer

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

1CH DWE	1 ch
2CH DWE	2 ch
4CH DWE	4 ch
5CH Strobe	5 ch
7CH Standard	7 ch
10CH Extended	10 ch
13CH Extended	13 ch

1CH DWE

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

2CH DWE

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	

4CH DWE

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve
3	Blackout Mode	0	0–63 Default 64–127 LED / fast 128–191 Medium 192–255 Halogen / slow
4	Dimmer Mode	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON

5CH Strobe

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

5CH Strobe (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	20	0–19 Close 20–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Fast 184–184 Slow 185–189 Open 7 190–203 Fast 204–204 Slow 205–209 Open 8 210–223 Fast 224–224 Slow 225–229 Open 9 230–243 Fast 244–244 Slow 245–255 Open 10
3	Strobe Duration	0	0–254 0% 255–255 100%
4	Dimmer	255	
5	Dimmer	255	

7CH Standard

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

7CH Standard (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	20	0–19 Close 20–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Fast 184–184 Slow 185–189 Open 7 190–203 Fast 204–204 Slow 205–209 Open 8 210–223 Fast 224–224 Slow 225–229 Open 9 230–243 Fast 244–244 Slow 245–255 Open 10
3	Dimmer	255	
4	Dimmer	255	
5	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve
6	Blackout Mode	0	0–63 Default 64–127 LED / fast 128–191 Medium 192–255 Halogen / slow
7	Dimmer Mode	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON

10CH Extended

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

10CH Extended (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	20	0–19 Close 20–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Fast 184–184 Slow 185–189 Open 7 190–203 Fast 204–204 Slow 205–209 Open 8 210–223 Fast 224–224 Slow 225–229 Open 9 230–243 Fast 244–244 Slow 245–255 Open 10
3	Strobe Duration	0	0–254 0% 255–255 100%
4	Dimmer	255	
5	Dimmer	255	
6	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve
7	Blackout Mode	0	0–63 Default 64–127 LED / fast 128–191 Medium 192–255 Halogen / slow
8	Dimmer Mode	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON
9	Effect	0	0–40 No FX 41–82 Slow 83–83 Fast 84–125 Slow 126–126 Fast 127–168 Slow 169–169 Fast 170–211 Slow 212–212 Fast 213–254 Slow 255–255 Fast

10CH Extended (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–29 No Function 30–34 Display ON (hold 3s) 35–44 Display OFF (hold 3s) 45–49 DMX Fail Blackout (hold 3s) 50–54 DMX Fail Hold (hold 3s) 55–64 DMX Fail Emergency Light (hold 3s) 65–69 RAW (hold 3s) 70–79 User Calibrated (hold 3s) 80–84 800Hz (hold 3s) 85–89 1200Hz (hold 3s) 90–94 2000Hz (hold 3s) 95–99 3600Hz (hold 3s) 100–104 12kHz (hold 3s) 105–114 25kHz (hold 3s) 115–119 Fan Auto (hold 3s) 120–124 Fan Silent (hold 3s) 125–129 Fan Off (hold 3s) 130–139 Fan High Power (hold 3s) 140–144 Invert Map ON (hold 3s) 145–154 Invert Map OFF (hold 3s) 155–159 Illumination Mode (hold 1;5s) 160–169 Boost Mode (hold 1;5s) 170–174 Factory Reset (hold 3s) 175–255 User Reset (hold 3s)

13CH Extended

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer

13CH Extended (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	20	0–19 Close 20–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Fast 184–184 Slow 185–189 Open 7 190–203 Fast 204–204 Slow 205–209 Open 8 210–223 Fast 224–224 Slow 225–229 Open 9 230–243 Fast 244–244 Slow 245–255 Open 10
4	Strobe Duration	0	0–254 0% 255–255 100%
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Dimmer	255	
8	Dimmer Fine	255	Fine byte of Dimmer
9	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve
10	Blackout Mode	0	0–63 Default 64–127 LED / fast 128–191 Medium 192–255 Halogen / slow
11	Dimmer Mode	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON

13CH Extended (continued)

Ch	Function	Default	DMX values
12	Effect	0	0–40 No FX 41–82 Slow 83–83 Fast 84–125 Slow 126–126 Fast 127–168 Slow 169–169 Fast 170–211 Slow 212–212 Fast 213–254 Slow 255–255 Fast
13	Control1	0	0–29 No Function 30–34 Display ON (hold 3s) 35–44 Display OFF (hold 3s) 45–49 DMX Fail Blackout (hold 3s) 50–54 DMX Fail Hold (hold 3s) 55–64 DMX Fail Emergency Light (hold 3s) 65–69 RAW (hold 3s) 70–79 User Calibrated (hold 3s) 80–84 800Hz (hold 3s) 85–89 1200Hz (hold 3s) 90–94 2000Hz (hold 3s) 95–99 3600Hz (hold 3s) 100–104 12kHz (hold 3s) 105–114 25kHz (hold 3s) 115–119 Fan Auto (hold 3s) 120–124 Fan Silent (hold 3s) 125–129 Fan Off (hold 3s) 130–139 Fan High Power (hold 3s) 140–144 Invert Map ON (hold 3s) 145–154 Invert Map OFF (hold 3s) 155–159 Illumination Mode (hold 1;5s) 160–169 Boost Mode (hold 1;5s) 170–174 Factory Reset (hold 3s) 175–255 User Reset (hold 3s)