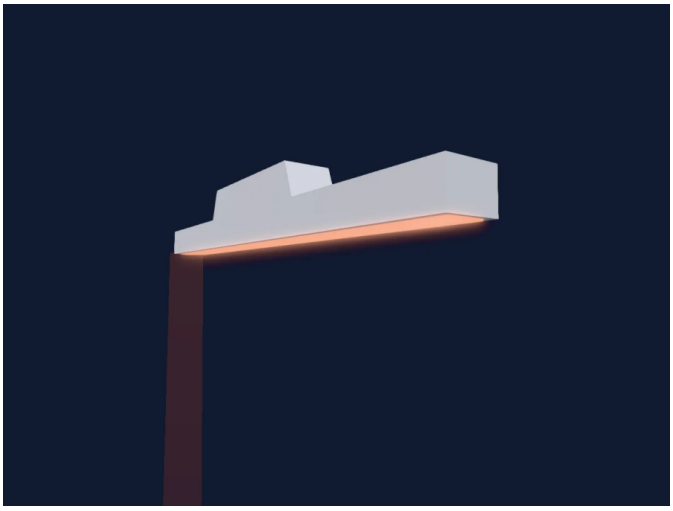
EK Lights

Radiant Bar 1000



Manufacturer	**EK Lights**
Type	**PAR**
DMX modes	**13**
DMX footprint	**6, 7, 14, 22, 34, 42, 74, 106, 194, 222 channels**
Beam angle	**2.8°**
Heads / cells	**24**
Size (W × H × D)	**1000 × 129 × 89 mm**
GDTF fixture type	**A2E2DE9B-F859-4FB4-BF24-F4…**

Controls

Frost · Extra LED colours · RGB colour mixing · Colour temperature · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset

DMX modes

BASIC - STATIC	6 ch
BASIC - STROBE	7 ch
BASIC - RGBW STROBE	14 ch
PIXELS - PIXELS 1	14 ch
PIXELS - PIXELS 48	14 ch
ADVANCED 1	22 ch
ADVANCED 2	22 ch
ADVANCED 3	34 ch
PIXELS - PIXELS 8	42 ch
PIXELS - PIXELS 16	74 ch
PIXELS - PIXELS 24	106 ch
BASIC - PIXEL	194 ch
ADVANCED 4	222 ch

BASIC - STATIC

6 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	
5	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max
6	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset

BASIC - STROBE

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–5 Closed 6–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	0–10 Open 11–11 slow 12–254 slow to fast 255–255 fast
5	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes
6	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

BASIC - STROBE (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset

BASIC - RGBW STROBE

14 channels

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

BASIC - RGBW STROBE (continued)

Ch	Function	Default	DMX values
5	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
6	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
7	Crossfade	255	
8	Dimmer	0	0–5 Closed 6–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Strobe Duration	0	
11	Strobe Rate	0	0–10 Open 11–11 slow 12–254 slow to fast 255–255 fast

BASIC - RGBW STROBE (continued)

Ch	Function	Default	DMX values
12	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes
13	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max
14	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset

PIXELS - PIXELS 1

14 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–5 Closed 6–255 Open
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	0–10 Open 11–11 slow 12–254 slow to fast 255–255 fast
5	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

PIXELS - PIXELS 1 (continued)

Ch	Function	Default	DMX values
6	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
7	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
8	Crossfade	255	
9	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

PIXELS - PIXELS 1 (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	255	

PIXELS - PIXELS 48

14 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–5 Closed 6–255 Open
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	0–10 Open 11–11 slow 12–254 slow to fast 255–255 fast
5	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

PIXELS - PIXELS 48 (continued)

Ch	Function	Default	DMX values
6	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
7	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
8	Crossfade	255	
9	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

PIXELS - PIXELS 48 (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	255	

ADVANCED 1

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	255	0–254 Closed 255–255 Open
4	Shutter / Strobe	255	0–30 Closed 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	

ADVANCED 1 (continued)

Ch	Function	Default	DMX values
9	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
10	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
11	Crossfade	255	
12	Dimmer	255	0–254 Closed 255–255 Open
13	Shutter / Strobe	255	0–30 Closed 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
14	Red	0	
15	Green	0	

ADVANCED 1 (continued)

Ch	Function	Default	DMX values
16	Blue	0	
17	White	0	
18	Layer1FX	0	0–10 No Function 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 Reserved(TBD) 206–255 Random pixel(with density)
19	Layer1FXSpeed	0	0–50 Static indexing 51–51 slow 52–254 slow to fast 255–255 fast
20	F XFADE	0	
21	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset
22	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

ADVANCED 2

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
5	Dimmer	255	0–254 Closed 255–255 Open
6	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Layer1FX	0	0–10 No Function 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 Reserved(TBD) 206–255 Random pixel(with density)

ADVANCED 2 (continued)

Ch	Function	Default	DMX values
12	Layer1FXSpeed	0	0–50 Static indexing 51–51 slow 52–254 slow to fast 255–255 fast
13	F XFADE	0	
14	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset

ADVANCED 2 (continued)

Ch	Function	Default	DMX values
15	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
16	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
17	Crossfade	255	
18	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	

ADVANCED 3

34 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	255	0–254 Closed 255–255 Open
4	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	

ADVANCED 3 (continued)

Ch	Function	Default	DMX values
9	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
10	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
11	Crossfade	255	
12	Dimmer	255	0–254 Closed 255–255 Open
13	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
14	Red	0	
15	Green	0	

ADVANCED 3 (continued)

Ch	Function	Default	DMX values
16	Blue	0	
17	White	0	
18	Dimmer	255	0–254 Closed 255–255 Open
19	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
20	Red	0	
21	Green	0	
22	Blue	0	
23	White	0	
24	Layer1FX	0	0–10 No Function 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 Reserved(TBD) 206–255 Random pixel(with density)
25	Layer1FXSpeed	0	0–50 Static indexing 51–51 slow 52–254 slow to fast 255–255 fast
26	Layer1FXOffset	0	

ADVANCED 3 (continued)

Ch	Function	Default	DMX values
27	Layer2FX	0	0–10 No Function 11–15 FX 1 16–20 FX 2 21–25 FX 3 26–30 FX 4 31–35 FX 5 36–40 FX 6 41–45 FX 7 46–50 FX 8 51–55 FX 9 56–60 FX 10 61–65 FX 11 66–70 FX 12 71–75 FX 13 76–80 FX 14 81–85 FX 15 86–90 FX 16 91–95 FX 17 96–100 FX 18 101–105 FX 19 106–110 FX 20 111–115 FX 21 116–120 FX 22 121–125 FX 23 126–205 Reserved(TBD) 206–255 Random pixel(with density)
28	Layer2FXSpeed	0	0–50 Static indexing 51–51 slow 52–254 slow to fast 255–255 fast
29	Layer2FXOffset	0	
30	F XFADE	0	
31	Empty1	0	
32	Empty2	0	
33	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset

ADVANCED 3 (continued)

Ch	Function	Default	DMX values
34	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

PIXELS - PIXELS 8

42 channels

Ch	Function	Default	DMX values
1	Dimmer	255	0–5 Closed 6–255 Open
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	0–10 Open 11–11 slow 12–254 slow to fast 255–255 fast
5	Shutter1Strobe Effect	3	0–2 No Effect 3–5 Static 6–42 Ramp up 43–85 Ramp down 86–128 Ramp up-down 129–171 Random 172–214 Lightning 215–255 Spikes

PIXELS - PIXELS 8 (continued)

Ch	Function	Default	DMX values
6	C TC	255	0–2 No Function 3–7 1800K-2000K 8–11 2000K-2200K 12–15 2200K-2400K 16–19 2400K-2600K 20–23 2600K-2800K 24–27 2800K-3000K 28–31 3000K-3200K 32–35 3200K-3400K 36–39 3400K-3600K 40–43 3600K-3800K 44–47 3800K-4000K 48–51 4000K-4200K 52–55 4200K-4400K 56–59 4400K-4600K 60–63 4600K-4800K 64–67 4800K-5000K 68–71 5000K-5200K 72–75 5200K-5400K 76–79 5400K-5600K 80–83 5600K-5800K 84–87 5800K-6000K 88–91 6000K-6200K 92–95 6200K-6400K 96–99 6400K-6600K 100–103 6600K-6800K 104–107 6800K-7000K 108–111 7000K-7200K 112–115 7200K-7400K 116–119 7400K-7600K 120–123 7600K-7800K 124–127 7800K-8000K 128–131 8000K-8200K 132–135 8200K-8400K 136–139 8400K-8600K 140–143 8600K-8800K 144–147 8800K-9000K 148–151 9000K-9200K 152–155 9200K-9400K 156–159 9400K-9600K 160–163 9600K-9800K 164–167 9800K-10000K 168–255 10000K
7	Tint	128	0–127 -25>>>0 128–128 0 129–255 0>>>+25
8	Crossfade	255	
9	Frost1	0	0–0 Min 1–254 Min>Max 255–255 Max

PIXELS - PIXELS 8 (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–5 No Function 6–10 Dimmer Mode Off 11–15 Dimmer Mode 1 16–20 Dimmer Mode 2 21–25 Dimmer Mode 3 26–30 Dimmer Mode Auto 31–35 S 36–40 Linear 41–45 Square 46–50 Inverse 51–55 1000Hz 56–60 2000Hz 61–65 4000Hz 66–70 6000Hz 71–75 25000Hz 76–80 Auto 81–85 On 86–90 Off 91–95 Silent 96–100 Eco 101–105 Off 106–110 On 111–250 Reserved 251–255 All Reset
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	255	
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Red	255	
28	Green	255	
29	Blue	255	
30	White	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	White	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	White	255	

PIXELS - PIXELS 8 (continued)

Ch	Function	Default	DMX values
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	

PIXELS - PIXELS 16

74 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	
5	Shutter1Strobe Effect	3	
6	C TC	255	
7	Tint	128	
8	Crossfade	255	
9	Frost1	0	
10	Control1	0	
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	255	
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Red	255	
28	Green	255	
29	Blue	255	
30	White	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	White	255	
35	Red	255	
36	Green	255	
37	Blue	255	

PIXELS - PIXELS 16 (continued)

Ch	Function	Default	DMX values
38	White	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	
43	Red	255	
44	Green	255	
45	Blue	255	
46	White	255	
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Red	255	
52	Green	255	
53	Blue	255	
54	White	255	
55	Red	255	
56	Green	255	
57	Blue	255	
58	White	255	
59	Red	255	
60	Green	255	
61	Blue	255	
62	White	255	
63	Red	255	
64	Green	255	
65	Blue	255	
66	White	255	
67	Red	255	
68	Green	255	
69	Blue	255	
70	White	255	
71	Red	255	
72	Green	255	
73	Blue	255	
74	White	255	

PIXELS - PIXELS 24

106 channels

Ch	Function	Default	DMX values
1	Dimmer	255	
2	Dimmer Fine	255	Fine byte of Dimmer
3	Strobe Duration	0	
4	Strobe Rate	0	

PIXELS - PIXELS 24 (continued)

Ch	Function	Default	DMX values
5	Shutter1Strobe Effect	3	
6	C TC	255	
7	Tint	128	
8	Crossfade	255	
9	Frost1	0	
10	Control1	0	
11	Red	255	
12	Green	255	
13	Blue	255	
14	White	255	
15	Red	255	
16	Green	255	
17	Blue	255	
18	White	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Red	255	
28	Green	255	
29	Blue	255	
30	White	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	White	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	White	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	
43	Red	255	
44	Green	255	
45	Blue	255	
46	White	255	
47	Red	255	
48	Green	255	
49	Blue	255	

PIXELS - PIXELS 24 (continued)

Ch	Function	Default	DMX values
50	White	255	
51	Red	255	
52	Green	255	
53	Blue	255	
54	White	255	
55	Red	255	
56	Green	255	
57	Blue	255	
58	White	255	
59	Red	255	
60	Green	255	
61	Blue	255	
62	White	255	
63	Red	255	
64	Green	255	
65	Blue	255	
66	White	255	
67	Red	255	
68	Green	255	
69	Blue	255	
70	White	255	
71	Red	255	
72	Green	255	
73	Blue	255	
74	White	255	
75	Red	255	
76	Green	255	
77	Blue	255	
78	White	255	
79	Red	255	
80	Green	255	
81	Blue	255	
82	White	255	
83	Red	255	
84	Green	255	
85	Blue	255	
86	White	255	
87	Red	255	
88	Green	255	
89	Blue	255	
90	White	255	
91	Red	255	
92	Green	255	
93	Blue	255	
94	White	255	

PIXELS - PIXELS 24 (continued)

Ch	Function	Default	DMX values
95	Red	255	
96	Green	255	
97	Blue	255	
98	White	255	
99	Red	255	
100	Green	255	
101	Blue	255	
102	White	255	
103	Red	255	
104	Green	255	
105	Blue	255	
106	White	255	

BASIC - PIXEL

194 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	
5	Reserved 5	0	
6	Reserved 6	0	
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	

BASIC - PIXEL (continued)

Ch	Function	Default	DMX values
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	
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	

BASIC - PIXEL (continued)

Ch	Function	Default	DMX values
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	
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	

BASIC - PIXEL (continued)

Ch	Function	Default	DMX values
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	
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	

BASIC - PIXEL (continued)

Ch	Function	Default	DMX values
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	
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	Frost1	0	
194	Control1	0	

ADVANCED 4

222 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	0	
4	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
5	Red	255	
6	Green	255	

ADVANCED 4 (continued)

Ch	Function	Default	DMX values
7	Blue	255	
8	White	255	
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 (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 (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 (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 (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	Reserved 195	0	
196	Reserved 196	0	
197	C TC	255	
198	Tint	128	
199	Crossfade	255	
200	Dimmer	255	
201	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
202	Red	0	
203	Green	0	
204	Blue	0	
205	White	0	
206	Dimmer	255	
207	Shutter / Strobe	255	0–30 Open 31–31 Strobe · slow 1 Hz 32–99 Strobe · slow to fast 1.43–30.6 Hz 100–100 Strobe · fast 31 Hz 101–130 Open 131–131 StrobeRandom · slow 1 Hz 132–199 StrobeRandom · slow to fast 1.43–30.6 Hz 200–200 StrobeRandom · fast 31 Hz 201–255 Open
208	Red	0	
209	Green	0	
210	Blue	0	
211	White	0	
212	Layer1FX	0	
213	Layer1FXSpeed	0	
214	Layer1FXOffset	0	
215	Layer2FX	0	
216	Layer2FXSpeed	0	
217	Layer2FXOffset	0	
218	F XFADE	0	
219	Empty1	0	
220	Empty2	0	

ADVANCED 4 (continued)

Ch	Function	Default	DMX values
221	Control1	0	
222	Frost1	0	