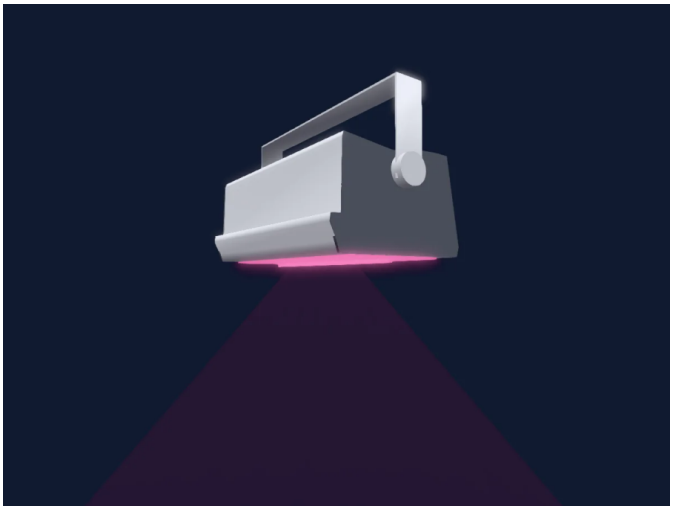
Martin Professional

Atomic 3K LED



Manufacturer	**Martin Professional**
Type	**Effect light**
DMX modes	**3**
DMX footprint	**3, 4, 14 channels**
Beam angle	**82-82.018173°**
Size (W × H × D)	**442 × 256 × 245 mm**
GDTF fixture type	**F5F78143-5C0F-4238-82B0-ED9…**

Controls

RGB colour mixing · Colour wheel · Dimmer

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

3-Channel DMX Mode	3 ch
4-Channel DMX Mode	4 ch
Extended DMX Mode	14 ch

3-Channel DMX Mode

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–62 Closed 63–126 25% 127–190 50% 191–254 75% 255–255 Open
2	Strobe Duration	0	0–254 0 ms 255–255 650 ms
3	Strobe Rate	0	0–254 Min Rate 255–255 Max Rate

4-Channel DMX Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–62 Closed 63–126 25% 127–190 50% 191–254 75% 255–255 Open
2	Strobe Duration	0	0–254 0 ms 255–255 650 ms
3	Strobe Rate	0	0–254 Min Rate 255–255 Max Rate
4	Effect	0	0–5 No effect 6–41 Ramp up Min 42–42 Ramp up Max 43–84 Ramp down Min 85–85 Ramp down Max 86–127 Ramp up down Min 128–128 Ramp up down Max 129–170 Random Min 171–171 Random Max 172–213 Lightning Min 214–214 Lightning Max 215–254 Spikes Min 255–255 Spikes Max

Extended DMX Mode

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–62 Closed 63–126 25% 127–190 50% 191–254 75% 255–255 Open
2	Strobe Duration	0	0–254 0 ms 255–255 650 ms
3	Strobe Rate	0	0–254 Min Rate 255–255 Max Rate

Extended DMX Mode (continued)

Ch	Function	Default	DMX values
4	Effect	0	0–5 No effect 6–41 Ramp up Min 42–42 Ramp up Max 43–84 Ramp down Min 85–85 Ramp down Max 86–127 Ramp up down Min 128–128 Ramp up down Max 129–170 Random Min 171–171 Random Max 172–213 Lightning Min 214–214 Lightning Max 215–254 Spikes Min 255–255 Spikes Max
5	Control1	0	0–9 No function 10–14 Reset entire fixture (5sec) 15–22 No function 23–23 Linear dimming curve - 1sec 24–24 Square law dimming curve - 1sec 25–25 Inverse square law dimming curve - 1sec 26–26 S-curve dimming curve - 1sec 27–35 No function 36–36 Enable video tracking 37–37 Disable video tracking 38–51 No function 52–52 Turn on control panel display - 1sec 53–53 Turn off control panel display - 1sec 54–54 Regulated fans speed 55–55 Fixed fan speed = full 56–56 Fixed fan speed = medium 57–57 Fixed fan speed = low 58–58 Fixed fan speed = ultra low 59–59 Strobe behaviour = LED 60–60 Strobe behaviour = Xenon 61–255 No function

Extended DMX Mode (continued)

Ch	Function	Default	DMX values
6	Effect	0	0–0 No function 1–1 Wave (sine wave) 2–2 Step (50/50 on/off) 3–3 Pulse 4–5 No function 6–6 Double strobe 7–7 Triple strobe 8–10 No function 11–11 up-down-flash 12–12 up-flash-down-flash 13–13 Random levels 14–19 No function 20–20 House light 21–50 No function 51–51 Aura pulse 52–53 No function 54–54 Aura ramp 55–55 No function 56–56 Rainbow wave 57–57 Rainbow step 58–58 Rainbow pulse 59–60 No function 61–61 RGB wave 62–62 RGB step 63–63 RGB pulse 64–65 No function 66–66 CMY wave 67–67 CMY step 68–68 CMY pulse 69–70 No function 71–71 Mix to white wave 72–72 Mix to white step 73–73 Mix to white pulse 74–75 No function 76–76 Random mix wave 77–77 Random mix step 78–78 Random mix pulse 79–80 No function 81–81 Random subtle wave 82–83 No function 84–84 Red white blue fade 85–85 Red white blue snaps 86–95 No function 96–96 Fire 97–97 Water 98–98 Ice 99–99 Hot and cold 100–100 Warm and fuzzy 101–101 Silver and gold 102–102 Gold and silver 103–103 No function 104–104 Circular chase slim 105–105 Circular chase wide 106–107 No function 108–108 Double circular chase slim 109–109 Double circular chase wide 110–111 No function 112–112 Vertical scroll 113–113 Horizontal scroll (L/R) 114–115 No function 116–116 Knight Rider slim 117–117 Knight Rider wide 118–118 Knight Ruder slim with CW 119–119 No function

Extended DMX Mode (continued)

Ch	Function	Default	DMX values
7	Effects1Adjust1	0	0–126 Effect reversed fast -> slow 127–128 Effect stops 129–255 Effect slow -> fast
8	Effects1Pos Rotate	0	0–0 No sync 1–1 Offset shift 10 2–2 Offset shift 20 3–3 Offset shift 30 4–4 Offset shift 40 5–5 Offset shift 50 6–6 Offset shift 60 7–7 Offset shift 70 8–8 Offset shift 80 9–9 Offset shift 90 10–10 Offset shift 100 11–11 Offset shift 110 12–12 Offset shift 120 13–13 Offset shift 130 14–14 Offset shift 140 15–15 Offset shift 150 16–16 Offset shift 160 17–17 Offset shift 170 18–18 Offset shift 180 19–19 Offset shift 190 20–20 Offset shift 200 21–21 Offset shift 210 22–22 Offset shift 220 23–23 Offset shift 230 24–24 Offset shift 240 25–25 Offset shift 250 26–26 Offset shift 260 27–27 Offset shift 270 28–28 Offset shift 280 29–29 Offset shift 290 30–30 Offset shift 300 31–31 Offset shift 310 32–32 Offset shift 320 33–33 Offset shift 330 34–34 Offset shift 340 35–35 Offset shift 350 36–36 Synchronized: all fixtures start FX cycles at same time 37–100 No function 101–120 Random start 121–140 Random duration 141–255 No function
9	Shutter1Strobe	30	0–19 Closed 20–49 Open 50–124 Slow 125–199 Medium 200–200 Fast 201–210 Open 211–232 Slow 233–254 Medium 255–255 Fast
10	Dimmer	0	0–62 Closed 63–126 25% 127–190 50% 191–254 75% 255–255 Open

Extended DMX Mode (continued)

Ch	Function	Default	DMX values
11	Red	255	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
12	Green	255	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 100%
13	Blue	255	0–62 Min 63–126 25% 127–190 50% 191–254 75% 255–255 Max
14	Color Macro1	0	