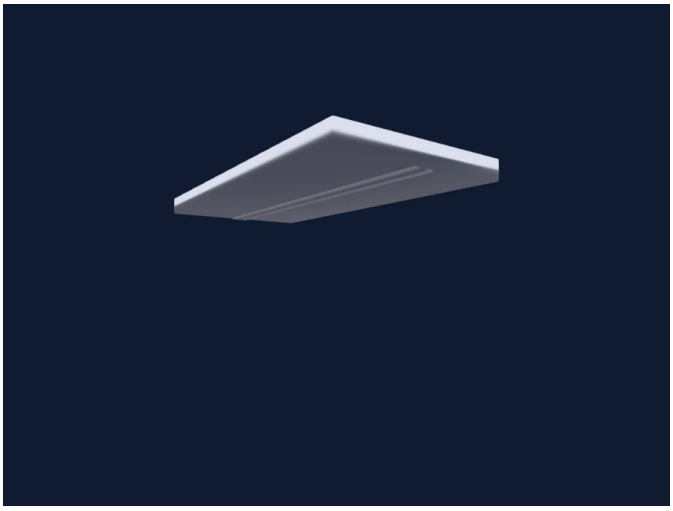
Martin Professional

# Atomic 3000 LED



| | |
|---|---|
| Manufacturer | **Martin Professional** |
| Type | **Strobe** |
| DMX modes | **3** |
| DMX footprint | **3, 4, 14 channels** |
| Beam angle | **25°** |
| Size (W × H × D) | **442 × 100 × 245 mm** |
| GDTF fixture type | **BE2DC006-9CF1-4BAB-ADB8-9…** |

## Controls

RGB colour mixing · Colour wheel · Strobe · Dimmer

## Safety-relevant functions

Fixture reset · Built-in effect programmes

## DMX modes

| | |
|---|---|
| 3 Channel | 3 ch |
| 4 Channel | 4 ch |
| Extended mode | 14 ch |

## 3 Channel

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Strobe Duration | 0 | 0–127 0 ms<br>128–254 330 ms<br>255–255 650 ms |
| 3 | Strobe Rate | 0 | 0–127 Slow<br>128–254 Medium<br>255–255 Fast |

## 4 Channel

4 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Strobe Duration | 0 | 0–127 0 ms<br>128–254 330 ms<br>255–255 650 ms |
| 3 | Strobe Rate | 0 | 0–127 Slow<br>128–254 Medium<br>255–255 Fast |
| 4 | Effect | 0 | 0–5 No effect<br>6–20 Slow<br>21–41 Medium<br>42–42 Fast<br>43–63 Slow<br>64–84 Medium<br>85–85 Fast<br>86–106 Slow<br>107–127 Medium<br>128–128 Fast<br>129–149 Slow<br>150–170 Medium<br>171–171 Fast<br>172–192 Slow<br>193–213 Medium<br>214–214 Fast<br>215–234 Slow<br>235–254 Medium<br>255–255 Fast |

## Extended mode

14 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Strobe Duration | 0 | 0–127 0 ms<br>128–254 330 ms<br>255–255 650 ms |
| 3 | Strobe Rate | 0 | 0–127 Slow<br>128–254 Medium<br>255–255 Fast |

## Extended mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **4** | Shutter1Strobe | 0 | 0–5 No effect<br>6–20 Slow<br>21–41 Medium<br>42–42 Fast<br>43–63 Slow<br>64–84 Medium<br>85–85 Fast<br>86–106 Slow<br>107–127 Medium<br>128–128 Fast<br>129–149 Slow<br>150–170 Medium<br>171–171 Fast<br>172–192 Slow<br>193–213 Medium<br>214–214 Fast<br>215–234 Slow<br>235–254 Medium<br>255–255 Fast |
| **5** | Control1 | 0 | 0–9 No function<br>10–14 Reset all (5 sec)<br>15–22 No function<br>23–23 Linear dimming curve (1 sec)<br>24–24 Square dimming curve (1 sec)<br>25–25 Inverse dimming curve (1 sec)<br>26–26 S-curve dimming curve (1 sec)<br>27–35 No function<br>36–36 Enable video tracking<br>37–37 Disable video tracking<br>38–51 No function<br>52–52 Turn on control panel display (1 sec)<br>53–53 Turn off control panel display (1 sec)<br>54–54 Regulated fan speed<br>55–55 Fixed fan speed (full)<br>56–56 Fixed fan speed (medium)<br>57–57 Fixed fan speed (low)<br>58–58 Fixed fan speed (ultra low)<br>59–59 Strobe behavior - LED<br>60–60 Strobe behavior - Xenon<br>61–255 No function |

## Extended mode (continued)

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

## Extended mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Effects1Adjust1 | 0 | 0–126 Effect reversed fast -> slow<br>127–128 Effect stops<br>129–255 Effect reversed slow -> fast |
| **8** | Effects1Pos Rotate | 0 | 0–0 No sync<br>1–1 Offset shift 10<br>2–2 Offset shift 20<br>3–3 Offset shift 30<br>4–4 Offset shift 40<br>5–5 Offset shift 50<br>6–6 Offset shift 60<br>7–7 Offset shift 70<br>8–8 Offset shift 80<br>9–9 Offset shift 90<br>10–10 Offset shift 100<br>11–11 Offset shift 110<br>12–12 Offset shift 120<br>13–13 Offset shift 130<br>14–14 Offset shift 140<br>15–15 Offset shift 150<br>16–16 Offset shift 160<br>17–17 Offset shift 170<br>18–18 Offset shift 180<br>19–19 Offset shift 190<br>20–20 Offset shift 200<br>21–21 Offset shift 210<br>22–22 Offset shift 220<br>23–23 Offset shift 230<br>24–24 Offset shift 240<br>25–25 Offset shift 250<br>26–26 Offset shift 260<br>27–27 Offset shift 270<br>28–28 Offset shift 280<br>29–29 Offset shift 290<br>30–30 Offset shift 300<br>31–31 Offset shift 310<br>32–32 Offset shift 320<br>33–33 Offset shift 330<br>34–34 Offset shift 340<br>35–35 Offset shift 350<br>36–36 Synchronized<br>37–100 No function<br>101–120 Random start<br>121–140 Random duration<br>141–255 No function |
| **9** | Shutter / Strobe | 30 | 0–19 Closed<br>20–49 Open<br>50–124 Strobe · Slow 0.289–8.37 Hz<br>125–199 Strobe · Medium 8.48–16.6 Hz<br>200–200 Strobe · Fast 16.7 Hz<br>201–210 Open<br>211–232 Random · Slow 0.289–8.11 Hz<br>233–254 Random · Medium 8.48–16.3 Hz<br>255–255 Random · Fast 16.7 Hz |
| **10** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **11** | Red | 255 | |
| **12** | Green | 255 | |
| **13** | Blue | 255 | |

## Extended mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Color Wheel | 0 | 0–4 Open (wheel slot 1)<br>5–9 LEE 790 - Moroccan pink (wheel slot 2)<br>10–14 LEE 157 - Pink (wheel slot 3)<br>15–20 LEE 332 - Special rose pink (wheel slot 4)<br>21–25 LEE 328 - Follies pink (wheel slot 5)<br>26–30 LEE 345 - Fuchsia pink (wheel slot 6)<br>31–35 LEE 194 - Surprise pink (wheel slot 7)<br>36–40 LEE 181 - Congo Blue (wheel slot 8)<br>41–45 LEE 071 - Tokyo Blue (wheel slot 9)<br>46–51 LEE 120 - Deep Blue (wheel slot 10)<br>52–56 LEE 079 - Just Blue (wheel slot 11)<br>57–61 LEE 132 - Medium Blue (wheel slot 12)<br>62–66 LEE 200 - Double CT Blue (wheel slot 13)<br>67–71 LEE 161 - Slate Blue (wheel slot 14)<br>72–76 LEE 201 - Full CT Blue (wheel slot 15)<br>77–82 LEE 202 - Half CT Blue (wheel slot 16)<br>83–87 LEE 117 - Steel Blue (wheel slot 17)<br>88–92 LEE 353 - Lighter Blue (wheel slot 18)<br>93–97 LEE 118 - Light Blue (wheel slot 19)<br>98–102 LEE 116 - Medium Blue Green (wheel slot 20)<br>103–107 LEE 124 - Dark Green (wheel slot 21)<br>108–113 LEE 139 - Primary Green (wheel slot 22)<br>114–118 LEE 089 - Moss Green (wheel slot 23)<br>119–123 LEE 122 - Fern Green (wheel slot 24)<br>124–128 LEE 738 - JAS Green (wheel slot 25)<br>129–133 LEE 088 - Lime Green (wheel slot 26)<br>134–138 LEE 100 - Spring Yellow (wheel slot 27)<br>139–144 LEE 104 - Deep Amber (wheel slot 28)<br>145–149 LEE 179 - Chrome Orange (wheel slot 29)<br>150–154 LEE 105 - Orange (wheel slot 30)<br>155–159 LEE 021 - Gold Amber (wheel slot 31)<br>160–164 LEE 778 - Millennium Gold (wheel slot 32)<br>165–169 LEE 135 - Deep Golden Amber (wheel slot 33)<br>170–175 LEE 164 - Flame Red (wheel slot 34)<br>176–180 Magenta (wheel slot 35)<br>181–185 Medium Lavender (wheel slot 36)<br>186–190 White (wheel slot 37)<br>191–202 CW Max<br>203–213 CW Med<br>214–214 CW Min<br>215–219 Stop<br>220–231 CCW Min<br>232–242 CCW Med<br>243–243 CCW Max<br>244–247 Fast<br>248–251 Medium<br>252–255 Slow |