PROLIGHT SPAIN

HYBRID 400 CMY



Manufacturer	**PROLIGHT SPAIN**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**21, 25, 28 channels**
Beam angle	**4-35°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**200 × 400 × 220 mm**
GDTF fixture type	**F2578B18-D48E-4AA1-911C-A4…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

21ch	21 ch
25ch	25 ch
30ch	28 ch

21ch

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 max speed 255–255 min speed
4	Lamp Control	0	0–139 NoFeature 1 140–149 PT reset 150–159 NoFeature 2 160–169 Beam reset 170–199 NoFeature 3 200–209 All reset 210–255 NoFeature 4
5	Color Wheel	0	0–13 White (wheel slot 1) 14–38 White / pink 39–64 Pink (wheel slot 2) 65–89 Pink / light orange 90–114 Light orange (wheel slot 3) 115–138 Light orange / Light purple 139–164 Light purple (wheel slot 4) 165–191 Light purple / 4000K 192–255 Blue (wheel slot 5)
6	Color Wheel 2	0	0–13 White (wheel slot 1) 14–38 White / deep red 39–64 Deep red (wheel slot 2) 65–89 Deep red / deep green 90–114 Deep green (wheel slot 3) 115–138 Deep green / deep blue 139–164 Deep blue (wheel slot 4) 165–191 Deep blue / Yellow 192–255 Yellow (wheel slot 5)
7	C TO	0	0–254 Open 255–255 CTO
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	Gobo	0	0–3 Open (wheel slot 1) 4–7 GF1 (wheel slot 2) 8–12 GF2 (wheel slot 3) 13–16 GF3 (wheel slot 4) 17–20 GF4 (wheel slot 5) 21–24 GF5 (wheel slot 6) 25–29 GF6 (wheel slot 7) 30–33 GF7 (wheel slot 8) 34–37 GF8 (wheel slot 9) 38–41 GF9 (wheel slot 10) 42–71 Animation wheel (wheel slot 11) 72–113 >>> 114–117 stop 118–159 <<< 160–165 GF1 (wheel slot 2) 166–170 GF2 (wheel slot 3) 171–176 GF3 (wheel slot 4) 177–181 GF4 (wheel slot 5) 182–187 GF5 (wheel slot 6) 188–193 GF6 (wheel slot 7) 194–198 GF7 (wheel slot 8) 199–204 GF8 (wheel slot 9) 205–209 GF9 (wheel slot 10) 210–255 Animation wheel (wheel slot 11)

21ch (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–0 Open BEAM (wheel slot 1) 1–4 Open SPOT (wheel slot 2) 5–7 GR1 (wheel slot 3) 8–10 GR2 (wheel slot 4) 11–13 GR3 (wheel slot 5) 14–16 GR4 (wheel slot 6) 17–19 GR5 (wheel slot 7) 20–22 GR6 (wheel slot 8) 23–25 GR7 (wheel slot 9) 26–28 GR8 (wheel slot 10) 29–31 GR9 (wheel slot 11) 32–34 GR1 (wheel slot 3) 35–37 GR2 (wheel slot 4) 38–40 GR3 (wheel slot 5) 41–43 GR4 (wheel slot 6) 44–46 GR5 (wheel slot 7) 47–49 GR6 (wheel slot 8) 50–52 GR7 (wheel slot 9) 53–55 GR8 (wheel slot 10) 56–59 GR9 (wheel slot 11) 60–67 GR1 (wheel slot 3) 68–75 GR2 (wheel slot 4) 76–83 GR3 (wheel slot 5) 84–91 GR4 (wheel slot 6) 92–99 GR5 (wheel slot 7) 100–107 GR6 (wheel slot 8) 108–115 GR7 (wheel slot 9) 116–123 GR8 (wheel slot 10) 124–129 GR9 (wheel slot 11) 130–137 GR1 (wheel slot 3) 138–145 GR2 (wheel slot 4) 146–153 GR3 (wheel slot 5) 154–161 GR4 (wheel slot 6) 162–169 GR5 (wheel slot 7) 170–177 GR6 (wheel slot 8) 178–185 GR7 (wheel slot 9) 186–193 GR8 (wheel slot 10) 194–199 GR9 (wheel slot 11) 200–227 <<< 228–229 Stop 230–255 >>>
13	Gobo Rotation 2	0	0–0 min 1–127 min to max 128–129 Stop 130–254 <<< 255–255 max
14	Prism	0	0–1 Open (wheel slot 1) 2–63 Prism 1 (wheel slot 2) 64–255 Prism 2 (wheel slot 3)
15	Prism Rotation	0	0–127 index 0 to 135 (wheel slot 2) 128–190 <<< (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 >>> (wheel slot 2)
16	Prism Rotation	0	0–127 index 0 to 135 (wheel slot 3) 128–190 <<< (wheel slot 3) 191–192 Stop (wheel slot 3) 193–255 >>> (wheel slot 3)
17	Frost1	0	0–64 Open 65–65 min frost 66–254 frost 1 to 100% 255–255 max frost

21ch (continued)

Ch	Function	Default	DMX values
18	Zoom	128	0–254 wide 255–255 narrow
19	Focus	128	
20	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–64 min 65–94 min to max 95–95 max 96–127 NoFeature 3 128–128 max 129–142 max to min 143–144 min 145–158 min to max 159–159 max 160–191 NoFeature 6 192–192 min 193–222 min to max 223–223 max 224–255 NoFeature 8
21	Dimmer	0	0–254 Open 255–255 Closed

25ch

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–254 max speed 255–255 min speed
6	Lamp Control	0	0–139 NoFeature 1 140–149 PT reset 150–159 NoFeature 2 160–169 Beam reset 170–199 NoFeature 3 200–209 All reset 210–255 NoFeature 4
7	Color Wheel	0	0–13 White (wheel slot 1) 14–38 White / pink 39–64 Pink (wheel slot 2) 65–89 Pink / light orange 90–114 Light orange (wheel slot 3) 115–138 Light orange / Light purple 139–164 Light purple (wheel slot 4) 165–191 Light purple / 4000K 192–255 Blue (wheel slot 5)
8	Color Wheel 2	0	0–13 White (wheel slot 1) 14–38 White / deep red 39–64 Deep red (wheel slot 2) 65–89 Deep red / deep green 90–114 Deep green (wheel slot 3) 115–138 Deep green / deep blue 139–164 Deep blue (wheel slot 4) 165–191 Deep blue / Yellow 192–255 Yellow (wheel slot 5)

25ch (continued)

Ch	Function	Default	DMX values
9	C TO	0	0–254 Open 255–255 CTO
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	Gobo	0	0–3 Open (wheel slot 1) 4–7 GF1 (wheel slot 2) 8–12 GF2 (wheel slot 3) 13–16 GF3 (wheel slot 4) 17–20 GF4 (wheel slot 5) 21–24 GF5 (wheel slot 6) 25–29 GF6 (wheel slot 7) 30–33 GF7 (wheel slot 8) 34–37 GF8 (wheel slot 9) 38–41 GF9 (wheel slot 10) 42–71 Animation wheel (wheel slot 11) 72–113 >>> 114–117 stop 118–159 <<< 160–165 GF1 (wheel slot 2) 166–170 GF2 (wheel slot 3) 171–176 GF3 (wheel slot 4) 177–181 GF4 (wheel slot 5) 182–187 GF5 (wheel slot 6) 188–193 GF6 (wheel slot 7) 194–198 GF7 (wheel slot 8) 199–204 GF8 (wheel slot 9) 205–209 GF9 (wheel slot 10) 210–255 Animation wheel (wheel slot 11)

25ch (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–0 Open BEAM (wheel slot 1) 1–4 Open SPOT (wheel slot 2) 5–7 GR1 (wheel slot 3) 8–10 GR2 (wheel slot 4) 11–13 GR3 (wheel slot 5) 14–16 GR4 (wheel slot 6) 17–19 GR5 (wheel slot 7) 20–22 GR6 (wheel slot 8) 23–25 GR7 (wheel slot 9) 26–28 GR8 (wheel slot 10) 29–31 GR9 (wheel slot 11) 32–34 GR1 (wheel slot 3) 35–37 GR2 (wheel slot 4) 38–40 GR3 (wheel slot 5) 41–43 GR4 (wheel slot 6) 44–46 GR5 (wheel slot 7) 47–49 GR6 (wheel slot 8) 50–52 GR7 (wheel slot 9) 53–55 GR8 (wheel slot 10) 56–59 GR9 (wheel slot 11) 60–67 GR1 (wheel slot 3) 68–75 GR2 (wheel slot 4) 76–83 GR3 (wheel slot 5) 84–91 GR4 (wheel slot 6) 92–99 GR5 (wheel slot 7) 100–107 GR6 (wheel slot 8) 108–115 GR7 (wheel slot 9) 116–123 GR8 (wheel slot 10) 124–129 GR9 (wheel slot 11) 130–137 GR1 (wheel slot 3) 138–145 GR2 (wheel slot 4) 146–153 GR3 (wheel slot 5) 154–161 GR4 (wheel slot 6) 162–169 GR5 (wheel slot 7) 170–177 GR6 (wheel slot 8) 178–185 GR7 (wheel slot 9) 186–193 GR8 (wheel slot 10) 194–199 GR9 (wheel slot 11) 200–227 <<< 228–229 Stop 230–255 >>>
15	Gobo Rotation 2	0	0–0 min 1–127 min to max 128–129 Stop 130–254 <<< 255–255 max
16	Prism	0	0–1 Open (wheel slot 1) 2–63 Prism 1 (wheel slot 2) 64–255 Prism 2 (wheel slot 3)
17	Prism Rotation	0	0–127 index 0 to 135 (wheel slot 2) 128–190 <<< (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 >>> (wheel slot 2)
18	Prism Rotation	0	0–127 index 0 to 135 (wheel slot 3) 128–190 <<< (wheel slot 3) 191–192 Stop (wheel slot 3) 193–255 >>> (wheel slot 3)
19	Frost1	0	0–64 Open 65–65 min frost 66–254 frost 1 to 100% 255–255 max frost

25ch (continued)

Ch	Function	Default	DMX values
20	Zoom	128	0–254 wide 255–255 narrow
21	Zoom Fine	0	Fine byte of Zoom
22	Focus	128	
23	Focus Fine	0	Fine byte of Focus
24	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–64 min 65–94 min to max 95–95 max 96–127 NoFeature 3 128–128 max 129–142 max to min 143–144 min 145–158 min to max 159–159 max 160–191 NoFeature 6 192–192 min 193–222 min to max 223–223 max 224–255 NoFeature 8
25	Dimmer	0	0–254 Open 255–255 Closed

30ch

28 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	Color Wheel	0	0–13 White (wheel slot 1) 14–38 White / pink 39–64 Pink (wheel slot 2) 65–89 Pink / light orange 90–114 Light orange (wheel slot 3) 115–138 Light orange / Light purple 139–164 Light purple (wheel slot 4) 165–191 Light purple / 4000K 192–255 Blue (wheel slot 5)
5	Color Wheel 2	0	0–13 White (wheel slot 1) 14–38 White / deep red 39–64 Deep red (wheel slot 2) 65–89 Deep red / deep green 90–114 Deep green (wheel slot 3) 115–138 Deep green / deep blue 139–164 Deep blue (wheel slot 4) 165–191 Deep blue / Yellow 192–255 Yellow (wheel slot 5)
6	C TO	0	0–254 Open 255–255 CTO

30ch (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–64 min 65–94 min to max 95–95 max 96–127 NoFeature 3 128–128 max 129–142 max to min 143–144 min 145–158 min to max 159–159 max 160–191 NoFeature 6 192–192 min 193–222 min to max 223–223 max 224–255 NoFeature 8
8	Dimmer	0	0–254 Open 255–255 Closed
9	Dimmer Fine	0	Fine byte of Dimmer
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 GF1 (wheel slot 2) 8–12 GF2 (wheel slot 3) 13–16 GF3 (wheel slot 4) 17–20 GF4 (wheel slot 5) 21–24 GF5 (wheel slot 6) 25–29 GF6 (wheel slot 7) 30–33 GF7 (wheel slot 8) 34–37 GF8 (wheel slot 9) 38–41 GF9 (wheel slot 10) 42–71 Animation wheel (wheel slot 11) 72–113 >>> 114–117 stop 118–159 <<< 160–165 GF1 (wheel slot 2) 166–170 GF2 (wheel slot 3) 171–176 GF3 (wheel slot 4) 177–181 GF4 (wheel slot 5) 182–187 GF5 (wheel slot 6) 188–193 GF6 (wheel slot 7) 194–198 GF7 (wheel slot 8) 199–204 GF8 (wheel slot 9) 205–209 GF9 (wheel slot 10) 210–255 Animation wheel (wheel slot 11)
11	Reserved 11	0	
12	Reserved 12	0	

30ch (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–0 Open BEAM (wheel slot 1) 1–4 Open SPOT (wheel slot 2) 5–7 GR1 (wheel slot 3) 8–10 GR2 (wheel slot 4) 11–13 GR3 (wheel slot 5) 14–16 GR4 (wheel slot 6) 17–19 GR5 (wheel slot 7) 20–22 GR6 (wheel slot 8) 23–25 GR7 (wheel slot 9) 26–28 GR8 (wheel slot 10) 29–31 GR9 (wheel slot 11) 32–34 GR1 (wheel slot 3) 35–37 GR2 (wheel slot 4) 38–40 GR3 (wheel slot 5) 41–43 GR4 (wheel slot 6) 44–46 GR5 (wheel slot 7) 47–49 GR6 (wheel slot 8) 50–52 GR7 (wheel slot 9) 53–55 GR8 (wheel slot 10) 56–59 GR9 (wheel slot 11) 60–67 GR1 (wheel slot 3) 68–75 GR2 (wheel slot 4) 76–83 GR3 (wheel slot 5) 84–91 GR4 (wheel slot 6) 92–99 GR5 (wheel slot 7) 100–107 GR6 (wheel slot 8) 108–115 GR7 (wheel slot 9) 116–123 GR8 (wheel slot 10) 124–129 GR9 (wheel slot 11) 130–137 GR1 (wheel slot 3) 138–145 GR2 (wheel slot 4) 146–153 GR3 (wheel slot 5) 154–161 GR4 (wheel slot 6) 162–169 GR5 (wheel slot 7) 170–177 GR6 (wheel slot 8) 178–185 GR7 (wheel slot 9) 186–193 GR8 (wheel slot 10) 194–199 GR9 (wheel slot 11) 200–227 <<< 228–229 Stop 230–255 >>>
14	Gobo Rotation 2	0	0–0 min 1–127 min to max 128–129 Stop 130–254 <<< 255–255 max
15	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
16	Prism	0	0–1 Open (wheel slot 1) 2–63 Prism 1 (wheel slot 2) 64–255 Prism 2 (wheel slot 3)
17	Prism Rotation	0	0–127 index 0 to 135 (wheel slot 2) 128–190 <<< (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 >>> (wheel slot 2)
18	Frost1	0	0–64 Open 65–65 min frost 66–254 frost 1 to 100% 255–255 max frost
19	Zoom	128	0–254 wide 255–255 narrow

30ch (continued)

Ch	Function	Default	DMX values
20	Focus	128	
21	Focus Fine	128	Fine byte of Focus
22	Reserved 22	0	
23	Pan	128	
24	Pan Fine	0	Fine byte of Pan
25	Tilt	128	
26	Tilt Fine	0	Fine byte of Tilt
27	Position MSpeed	0	0–254 max speed 255–255 min speed
28	Lamp Control	0	0–139 NoFeature 1 140–149 PT reset 150–159 NoFeature 2 160–169 Beam reset 170–199 NoFeature 3 200–209 All reset 210–255 NoFeature 4