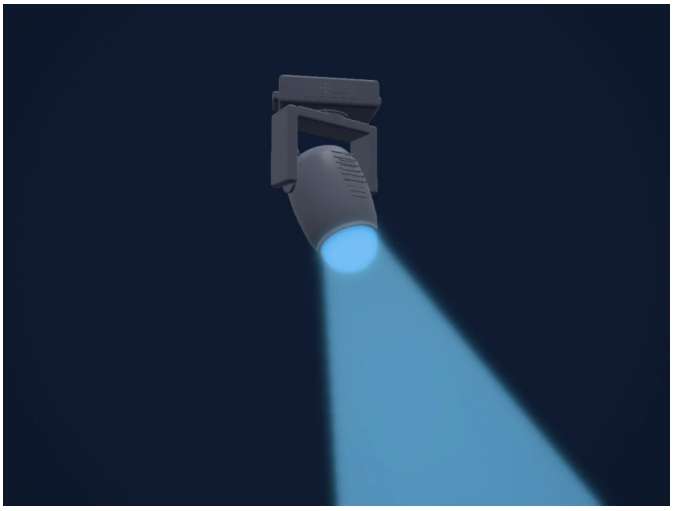
Robe Lighting

Robin DLF Wash



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**21, 23, 29 channels**
Beam angle	**5.5-60°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**426 × 112 × 268 mm**
GDTF fixture type	**EC26F655-B15B-45C4-A274-49…**

Controls

Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

Mode 3 CMY Minimal	21 ch
Mode 3 RGBW Minimal	21 ch
Mode 2 CMY Reduced	23 ch
Mode 2 RGBW Reduced	23 ch
Mode 1 CMY	29 ch
Mode 1 RGBW	29 ch

Mode 3 CMY Minimal

21 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	128	
3	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
4	Control1	120	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
5	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	No Feature	0	
10	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K

Mode 3 CMY Minimal (continued)

Ch	Function	Default	DMX values
11	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
12	Zoom	128	
13	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
14	Blade4A	0	
15	Blade2A	0	
16	Blade1A	0	
17	Blade3A	0	
18	Shaper Macros	0	
19	Shaper Macros Speed	0	
20	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
21	Dimmer	0	0–254 Closed 255–255 Open

Mode 3 RGBW Minimal

21 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	128	
3	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
5	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	255	
10	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
11	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
12	Zoom	128	

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
13	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
14	Blade4A	0	
15	Blade2A	0	
16	Blade1A	0	
17	Blade3A	0	
18	Shaper Macros	0	
19	Shaper Macros Speed	0	
20	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
21	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 CMY Reduced

23 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	No Feature	0	
12	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
13	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
14	Zoom	128	

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
15	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
16	Blade4A	0	
17	Blade2A	0	
18	Blade1A	0	
19	Blade3A	0	
20	Shaper Macros	0	
21	Shaper Macros Speed	0	
22	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
23	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 RGBW Reduced

23 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
13	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
14	Zoom	128	

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
15	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
16	Blade4A	0	
17	Blade2A	0	
18	Blade1A	0	
19	Blade3A	0	
20	Shaper Macros	0	
21	Shaper Macros Speed	0	
22	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
23	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 CMY

29 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	No Feature	0	
15	No Feature Fine	0	Fine byte of No Feature
16	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
17	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
18	Zoom	128	
19	Zoom Fine	0	Fine byte of Zoom
20	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
21	Blade4A	0	
22	Blade2A	0	
23	Blade1A	0	
24	Blade3A	0	
25	Shaper Macros	0	
26	Shaper Macros Speed	0	
27	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 RGBW

29 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–4 Flight Case Position OFF 5–9 Flight Case Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–129 Reserved 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–179 Reserved 180–189 Zoom/Frost reset 190–199 Beam shaper reset 200–209 Total fixture reset 210–239 Reserved 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–55 Blue (wheel slot 9) 56–95 Light Blue (wheel slot 10) 96–134 Green (wheel slot 11) 135–175 Yellow (wheel slot 12) 176–215 Red (wheel slot 13) 216–246 Magenta (wheel slot 14) 247–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
17	Zoom Mode	0	0–0 Wide zoom OFF 1–100 Wide zoom ON 101–255 Reserved
18	Zoom	128	
19	Zoom Fine	0	Fine byte of Zoom
20	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
21	Blade4A	0	
22	Blade2A	0	
23	Blade1A	0	
24	Blade3A	0	
25	Shaper Macros	0	
26	Shaper Macros Speed	0	
27	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer

Fixture model: gdtf-robe-lighting-robin-dlf-wash-97314
Creator: HitLight
Modifications: In-house original geometry authored from the manufacturer reference; no third-party meshes or photographs embedded.