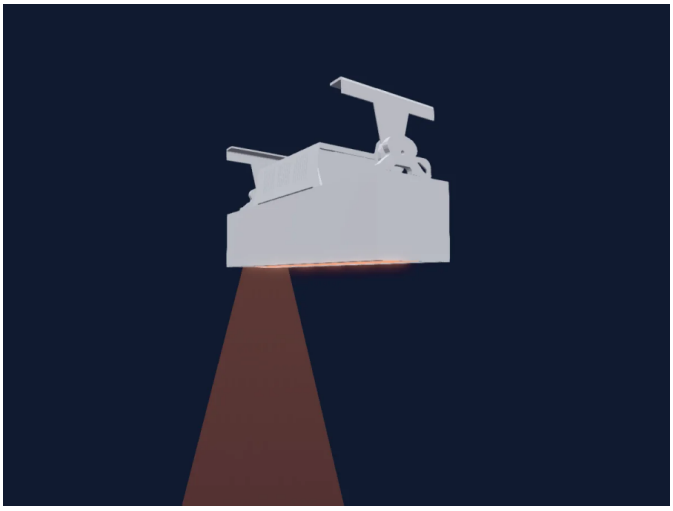
CKC Lighting

IP PixBar 100



Manufacturer	**CKC Lighting**
Type	**PAR**
DMX modes	**12**
DMX footprint	**3, 4, 5, 7, 9, 10, 12, 22 channels**
Beam angle	**25-33°**
Size (W × H × D)	**437 × 123 × 178 mm**
GDTF fixture type	**743A6557-A72B-4145-A133-2F…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

Safety-relevant functions

Strobe

DMX modes

RGB 3CH	3 ch
RGB Five 3CH	3 ch
HSI 4CH	4 ch
8Bit 5CH	5 ch
Cells 25CH	5 ch
Cells+Dim 27CH	5 ch
Extended+Cells 32CH	7 ch
HSI Extended 9CH	9 ch
16Bit 10CH	10 ch
16Bit+Dim 12CH	12 ch
Extended 12CH	12 ch
HSI+Cells 22CH	22 ch

RGB 3CH

3 channels

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

RGB Five 3CH

3 channels

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

HSI 4CH

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	0–254 0% 255–255 100%
4	H SBSaturation	0	0–254 0% 255–255 100%

8Bit 5CH

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add GY	255	
5	Color Add RY	255	

Cells 25CH

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add GY	255	
5	Color Add RY	255	

Cells+Dim 27CH

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Blue	255	
4	Color Add GY	255	

Cells+Dim 27CH (continued)

Ch	Function	Default	DMX values
5	Color Add RY	255	

Extended+Cells 32CH

7 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Shutter Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Shutter Open3 192–222 Min Random 223–223 Max Random 224–255 Shutter Open4
2	Dimmer	0	0–254 closed 255–255 open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–255 Idle
5	C TO	0	

Extended+Cells 32CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–0 Open1 (wheel slot 54) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–179 Open2 180–200 Clockwise fast 201–201 Clockwise slow 202–207 Stop 208–228 Counter-clockwise slow 229–229 Counter-clockwise fast 230–234 Open3 235–239 Fast 240–244 Medium 245–249 Slow

Extended+Cells 32CH (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–155 10000 156–160 15000 161–165 20000 166–170 25000 171–200 Idle 201–210 Dimmer Curve Linear (default) 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–255 Idle

HSI Extended 9CH

9 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Shutter Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Shutter Open3 192–222 Min Random 223–223 Max Random 224–255 Shutter Open4
2	Dimmer	0	0–254 closed 255–255 open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–255 Idle
5	C TO	0	

HSI Extended 9CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–0 Open1 (wheel slot 54) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–179 Open2 180–200 Clockwise fast 201–201 Clockwise slow 202–207 Stop 208–228 Counter-clockwise slow 229–229 Counter-clockwise fast 230–234 Open3 235–239 Fast 240–244 Medium 245–249 Slow

HSI Extended 9CH (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–155 10000 156–160 15000 161–165 20000 166–170 25000 171–200 Idle 201–210 Dimmer Curve Linear (default) 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–255 Idle
8	H SBHue	0	0–254 0% 255–255 100%
9	H SBSaturation	0	0–254 0% 255–255 100%

16Bit 10CH

10 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	Color Add GY	255	
8	Color Add GY Fine	255	Fine byte of Color Add GY
9	Color Add RY	255	
10	Color Add RY Fine	255	Fine byte of Color Add RY

16Bit+Dim 12CH

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue

16Bit+Dim 12CH (continued)

Ch	Function	Default	DMX values
9	Color Add GY	255	
10	Color Add GY Fine	255	Fine byte of Color Add GY
11	Color Add RY	255	
12	Color Add RY Fine	255	Fine byte of Color Add RY

Extended 12CH

12 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Shutter Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Shutter Open3 192–222 Min Random 223–223 Max Random 224–255 Shutter Open4
2	Dimmer	0	0–254 closed 255–255 open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–255 Idle
5	C TO	0	

Extended 12CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–0 Open1 (wheel slot 54) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–179 Open2 180–200 Clockwise fast 201–201 Clockwise slow 202–207 Stop 208–228 Counter-clockwise slow 229–229 Counter-clockwise fast 230–234 Open3 235–239 Fast 240–244 Medium 245–249 Slow

Extended 12CH (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–155 10000 156–160 15000 161–165 20000 166–170 25000 171–200 Idle 201–210 Dimmer Curve Linear (default) 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–255 Idle
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	255	
12	Color Add RY	255	

HSI+Cells 22CH

22 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Shutter Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Shutter Open3 192–222 Min Random 223–223 Max Random 224–255 Shutter Open4
2	Dimmer	0	0–254 closed 255–255 open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–255 Idle
5	C TO	0	

HSI+Cells 22CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–0 Open1 (wheel slot 54) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–179 Open2 180–200 Clockwise fast 201–201 Clockwise slow 202–207 Stop 208–228 Counter-clockwise slow 229–229 Counter-clockwise fast 230–234 Open3 235–239 Fast 240–244 Medium 245–249 Slow

HSI+Cells 22CH (continued)

Ch	Function	Default	DMX values
7	Control1	0	0–100 Idle 101–105 900 106–110 1000 111–115 1100 116–120 1200 121–125 1300 126–130 1400 131–135 1500 136–140 2500 141–145 4000 146–150 5000 151–155 10000 156–160 15000 161–165 20000 166–170 25000 171–200 Idle 201–210 Dimmer Curve Linear (default) 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–255 Idle
8	H SBHue	0	
9	H SBSaturation	0	
10	Dimmer	0	
11	H SBHue	0	
12	H SBSaturation	0	
13	Dimmer	0	
14	H SBHue	0	
15	H SBSaturation	0	
16	Dimmer	0	
17	H SBHue	0	
18	H SBSaturation	0	
19	Dimmer	0	
20	H SBHue	0	
21	H SBSaturation	0	
22	Dimmer	0	