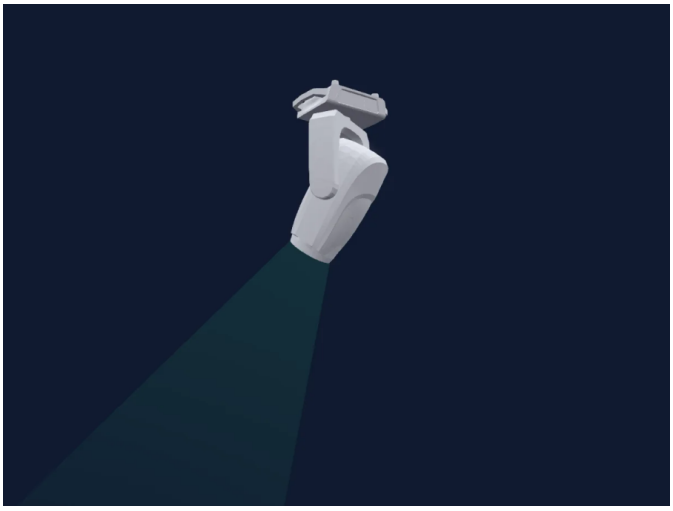
CKC Lighting

Wash ZP480



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**27, 31, 39 channels**
Beam angle	**13-64°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**276 × 493 × 262 mm**
GDTF fixture type	**251FA6E1-11A9-4DC0-A27A-0F…**

Controls

Focus · Frost · Iris · Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 27CH	27 ch
Standard 31CH	31 ch
Extended 39CH	39 ch

Basic 27CH

27 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	50	0–31 close 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 Shutter open (2) 128–158 min Pulse 159–159 max Pulse 160–191 Shutter open (3) 192–222 min Random 223–223 max Random 224–255 Shutter open (4)
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add RY	255	
9	Color Add GY	255	

Basic 27CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–0 No function (wheel slot 61) 1–1 LEE 007 - Pale Yellow (wheel slot 1) 2–2 LEE 103 - Straw (wheel slot 2) 3–3 LEE 151 - Gold Tint (wheel slot 3) 4–4 LEE 100 - Spring Yellow (wheel slot 4) 5–5 LEE 010 - Medium Yellow (wheel slot 5) 6–6 LEE 101 - Yellow (wheel slot 6) 7–7 LEE 104 - Deep Amber (wheel slot 7) 8–8 LEE 015 - Deep Straw (wheel slot 8) 9–9 LEE 179 - Chrome Orange (wheel slot 9) 10–10 LEE 021 - Gold Amber (wheel slot 10) 11–11 LEE 105 - Orange (wheel slot 11) 12–12 LEE 158 - Deep Orange (wheel slot 12) 13–13 LEE 022 - Dark Amber (wheel slot 13) 14–14 LEE 778 - Millenium Gold (wheel slot 14) 15–15 LEE 135 - Deep Gold Amber (wheel slot 15) 16–16 LEE 024 - Scarlet (wheel slot 16) 17–17 LEE 106 - Primary Red (wheel slot 17) 18–18 LEE 026 - Bright Red (wheel slot 18) 19–19 LEE 027 - Medium Red (wheel slot 19) 20–20 LEE 019 - Fire (wheel slot 20) 21–21 LEE 157 - Pink (wheel slot 21) 22–22 LEE 036 - Medium Pink (wheel slot 22) 23–23 LEE 111 - Dark Pink (wheel slot 23) 24–24 LEE 128 - Bright Pink (wheel slot 24) 25–25 LEE 148 - Bright Rose (wheel slot 25) 26–26 LEE 332 - Special Rose Pink (wheel slot 26) 27–27 LEE 793 - Vanity Fair (wheel slot 27) 28–28 LEE 113 - Magenta (wheel slot 28) 29–29 LEE 046 - Dark Magenta (wheel slot 29) 30–30 LEE 048 - Rose Purple (wheel slot 30) 31–31 LEE 126 - Mauve (wheel slot 31) 32–32 LEE 049 - Medium Purple (wheel slot 32) 33–33 LEE 058 - Lavender (wheel slot 33) 34–34 LEE 197 - Alice Blue (wheel slot 34) 35–35 LEE 119 - Dark Blue (wheel slot 35) 36–36 LEE 132 - Medium Blue (wheel slot 36) 37–37 LEE 120 - Deep Blue (wheel slot 37) 38–38 LEE 165 - Daylight Blue (wheel slot 38) 39–39 LEE 161 - Slate Blue (wheel slot 39) 40–40 LEE 118 - Light Blue (wheel slot 40) 41–41 LEE 068 - Sky Blue (wheel slot 41) 42–42 LEE 143 - Pale Navy Blue (wheel slot 42) 43–43 LEE 131 - Marine Blue (wheel slot 43) 44–44 LEE 115 - Peacock Blue (wheel slot 44) 45–45 LEE 172 - Lagoon Blue (wheel slot 45) 46–46 LEE 116 - Medium Blue Green (wheel slot 46) 47–47 LEE 090 - Dark Yellow Green (wheel slot 47) 48–48 LEE 139 - Primary Green (wheel slot 48) 49–49 LEE 122 - Fern Green (wheel slot 49) 50–50 LEE 089 - Moss Green (wheel slot 50) 51–51 LEE 124 - Dark Green (wheel slot 51) 52–52 LEE 088 - Lime Green (wheel slot 52) 53–53 LEE 138 - Pale Green (wheel slot 53) 54–54 LEE 203 - Quarter C T Blue (wheel slot 54) 55–55 LEE 202 - Half C T Blue (wheel slot 55) 56–56 LEE 201 - Full C T Blue (wheel slot 56) 57–57 LEE 200 - Double C T Blue (wheel slot 57) 58–58 LEE 206 - Quarter C T Orange (wheel slot 58) 59–59 LEE 205 - Half C T Orange (wheel slot 59) 60–60 LEE 204 - Full C T Orange (wheel slot 60) 61–255 open (wheel slot 61)

Basic 27CH (continued)

Ch	Function	Default	DMX values
11	C TC	0	0–19 No Function 20–100 2000K - 10000K(1DMX=100K) 101–255 10000K
12	Tint	0	0–0 No function 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
13	Zoom	128	
14	Focus	0	
15	Iris	0	0–0 Open 1–191 Mid 192–225 Close 226–235 IrisPulseClose 2 236–245 IrisPulseOpen 3 246–255 IrisStrobeRandom 4
16	Frost1	0	0–254 open 255–255 Max
17	Blade1Rot	128	0–254 Rotation from 0 255–255 Rotation from 120
18	Blade1A	0	
19	Blade1B	0	
20	Blade2A	0	
21	Blade2B	0	
22	Blade3A	0	
23	Blade3B	0	
24	Blade4A	0	
25	Blade4B	0	
26	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
27	Control1	0	0–6 No function 7–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 5s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 5s) 54–65 Fan Auto (Hold 3s) 66–70 Fan Silent (Hold 3s) 71–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–137 Led Freq1200 Hz (hold 3s) 138–149 Led Freq3600 Hz (hold 3s) 150–161 Led Freq5000 Hz (hold 3s) 162–173 10000 Hz (hold 3s) 174–185 15000 Hz (hold 3s) 186–197 20000 Hz (hold 3s) 198–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)

Standard 31CH

31 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	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	50	0–31 close 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 Shutter open (2) 128–158 min Pulse 159–159 max Pulse 160–191 Shutter open (3) 192–222 min Random 223–223 max Random 224–255 Shutter open (4)
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add RY	255	
12	Color Add GY	255	

Standard 31CH (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–0 No function (wheel slot 61) 1–1 LEE 007 - Pale Yellow (wheel slot 1) 2–2 LEE 103 - Straw (wheel slot 2) 3–3 LEE 151 - Gold Tint (wheel slot 3) 4–4 LEE 100 - Spring Yellow (wheel slot 4) 5–5 LEE 010 - Medium Yellow (wheel slot 5) 6–6 LEE 101 - Yellow (wheel slot 6) 7–7 LEE 104 - Deep Amber (wheel slot 7) 8–8 LEE 015 - Deep Straw (wheel slot 8) 9–9 LEE 179 - Chrome Orange (wheel slot 9) 10–10 LEE 021 - Gold Amber (wheel slot 10) 11–11 LEE 105 - Orange (wheel slot 11) 12–12 LEE 158 - Deep Orange (wheel slot 12) 13–13 LEE 022 - Dark Amber (wheel slot 13) 14–14 LEE 778 - Millenium Gold (wheel slot 14) 15–15 LEE 135 - Deep Gold Amber (wheel slot 15) 16–16 LEE 024 - Scarlet (wheel slot 16) 17–17 LEE 106 - Primary Red (wheel slot 17) 18–18 LEE 026 - Bright Red (wheel slot 18) 19–19 LEE 027 - Medium Red (wheel slot 19) 20–20 LEE 019 - Fire (wheel slot 20) 21–21 LEE 157 - Pink (wheel slot 21) 22–22 LEE 036 - Medium Pink (wheel slot 22) 23–23 LEE 111 - Dark Pink (wheel slot 23) 24–24 LEE 128 - Bright Pink (wheel slot 24) 25–25 LEE 148 - Bright Rose (wheel slot 25) 26–26 LEE 332 - Special Rose Pink (wheel slot 26) 27–27 LEE 793 - Vanity Fair (wheel slot 27) 28–28 LEE 113 - Magenta (wheel slot 28) 29–29 LEE 046 - Dark Magenta (wheel slot 29) 30–30 LEE 048 - Rose Purple (wheel slot 30) 31–31 LEE 126 - Mauve (wheel slot 31) 32–32 LEE 049 - Medium Purple (wheel slot 32) 33–33 LEE 058 - Lavender (wheel slot 33) 34–34 LEE 197 - Alice Blue (wheel slot 34) 35–35 LEE 119 - Dark Blue (wheel slot 35) 36–36 LEE 132 - Medium Blue (wheel slot 36) 37–37 LEE 120 - Deep Blue (wheel slot 37) 38–38 LEE 165 - Daylight Blue (wheel slot 38) 39–39 LEE 161 - Slate Blue (wheel slot 39) 40–40 LEE 118 - Light Blue (wheel slot 40) 41–41 LEE 068 - Sky Blue (wheel slot 41) 42–42 LEE 143 - Pale Navy Blue (wheel slot 42) 43–43 LEE 131 - Marine Blue (wheel slot 43) 44–44 LEE 115 - Peacock Blue (wheel slot 44) 45–45 LEE 172 - Lagoon Blue (wheel slot 45) 46–46 LEE 116 - Medium Blue Green (wheel slot 46) 47–47 LEE 090 - Dark Yellow Green (wheel slot 47) 48–48 LEE 139 - Primary Green (wheel slot 48) 49–49 LEE 122 - Fern Green (wheel slot 49) 50–50 LEE 089 - Moss Green (wheel slot 50) 51–51 LEE 124 - Dark Green (wheel slot 51) 52–52 LEE 088 - Lime Green (wheel slot 52) 53–53 LEE 138 - Pale Green (wheel slot 53) 54–54 LEE 203 - Quarter C T Blue (wheel slot 54) 55–55 LEE 202 - Half C T Blue (wheel slot 55) 56–56 LEE 201 - Full C T Blue (wheel slot 56) 57–57 LEE 200 - Double C T Blue (wheel slot 57) 58–58 LEE 206 - Quarter C T Orange (wheel slot 58) 59–59 LEE 205 - Half C T Orange (wheel slot 59) 60–60 LEE 204 - Full C T Orange (wheel slot 60) 61–255 open (wheel slot 61)

Standard 31CH (continued)

Ch	Function	Default	DMX values
14	C TC	0	0–19 No Function 20–100 2000K - 10000K(1DMX=100K) 101–255 10000K
15	Tint	0	0–0 No function 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
16	Zoom	128	
17	Focus	0	
18	Iris	0	0–0 Open 1–191 Mid 192–225 Close 226–235 IrisPulseClose 2 236–245 IrisPulseOpen 3 246–255 IrisStrobeRandom 4
19	Frost1	0	0–254 open 255–255 Max
20	Blade1Rot	128	0–254 Rotation from 0 255–255 Rotation from 120
21	Blade1A	0	
22	Blade1B	0	
23	Blade2A	0	
24	Blade2B	0	
25	Blade3A	0	
26	Blade3B	0	
27	Blade4A	0	
28	Blade4B	0	
29	Position MSpeed	0	0–254 Max Speed 255–255 Min Speed
30	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting

Standard 31CH (continued)

Ch	Function	Default	DMX values
31	Control1	0	0–6 No function 7–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 5s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 5s) 54–65 Fan Auto (Hold 3s) 66–70 Fan Silent (Hold 3s) 71–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–137 Led Freq1200 Hz (hold 3s) 138–149 Led Freq3600 Hz (hold 3s) 150–161 Led Freq5000 Hz (hold 3s) 162–173 10000 Hz (hold 3s) 174–185 15000 Hz (hold 3s) 186–197 20000 Hz (hold 3s) 198–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)

Extended 39CH

39 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	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	50	0–31 close 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 Shutter open (2) 128–158 min Pulse 159–159 max Pulse 160–191 Shutter open (3) 192–222 min Random 223–223 max Random 224–255 Shutter open (4)
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	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	Color Add GY	255	
17	Color Add GY Fine	255	Fine byte of Color Add GY

Extended 39CH (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–0 No function (wheel slot 61) 1–1 LEE 007 - Pale Yellow (wheel slot 1) 2–2 LEE 103 - Straw (wheel slot 2) 3–3 LEE 151 - Gold Tint (wheel slot 3) 4–4 LEE 100 - Spring Yellow (wheel slot 4) 5–5 LEE 010 - Medium Yellow (wheel slot 5) 6–6 LEE 101 - Yellow (wheel slot 6) 7–7 LEE 104 - Deep Amber (wheel slot 7) 8–8 LEE 015 - Deep Straw (wheel slot 8) 9–9 LEE 179 - Chrome Orange (wheel slot 9) 10–10 LEE 021 - Gold Amber (wheel slot 10) 11–11 LEE 105 - Orange (wheel slot 11) 12–12 LEE 158 - Deep Orange (wheel slot 12) 13–13 LEE 022 - Dark Amber (wheel slot 13) 14–14 LEE 778 - Millenium Gold (wheel slot 14) 15–15 LEE 135 - Deep Gold Amber (wheel slot 15) 16–16 LEE 024 - Scarlet (wheel slot 16) 17–17 LEE 106 - Primary Red (wheel slot 17) 18–18 LEE 026 - Bright Red (wheel slot 18) 19–19 LEE 027 - Medium Red (wheel slot 19) 20–20 LEE 019 - Fire (wheel slot 20) 21–21 LEE 157 - Pink (wheel slot 21) 22–22 LEE 036 - Medium Pink (wheel slot 22) 23–23 LEE 111 - Dark Pink (wheel slot 23) 24–24 LEE 128 - Bright Pink (wheel slot 24) 25–25 LEE 148 - Bright Rose (wheel slot 25) 26–26 LEE 332 - Special Rose Pink (wheel slot 26) 27–27 LEE 793 - Vanity Fair (wheel slot 27) 28–28 LEE 113 - Magenta (wheel slot 28) 29–29 LEE 046 - Dark Magenta (wheel slot 29) 30–30 LEE 048 - Rose Purple (wheel slot 30) 31–31 LEE 126 - Mauve (wheel slot 31) 32–32 LEE 049 - Medium Purple (wheel slot 32) 33–33 LEE 058 - Lavender (wheel slot 33) 34–34 LEE 197 - Alice Blue (wheel slot 34) 35–35 LEE 119 - Dark Blue (wheel slot 35) 36–36 LEE 132 - Medium Blue (wheel slot 36) 37–37 LEE 120 - Deep Blue (wheel slot 37) 38–38 LEE 165 - Daylight Blue (wheel slot 38) 39–39 LEE 161 - Slate Blue (wheel slot 39) 40–40 LEE 118 - Light Blue (wheel slot 40) 41–41 LEE 068 - Sky Blue (wheel slot 41) 42–42 LEE 143 - Pale Navy Blue (wheel slot 42) 43–43 LEE 131 - Marine Blue (wheel slot 43) 44–44 LEE 115 - Peacock Blue (wheel slot 44) 45–45 LEE 172 - Lagoon Blue (wheel slot 45) 46–46 LEE 116 - Medium Blue Green (wheel slot 46) 47–47 LEE 090 - Dark Yellow Green (wheel slot 47) 48–48 LEE 139 - Primary Green (wheel slot 48) 49–49 LEE 122 - Fern Green (wheel slot 49) 50–50 LEE 089 - Moss Green (wheel slot 50) 51–51 LEE 124 - Dark Green (wheel slot 51) 52–52 LEE 088 - Lime Green (wheel slot 52) 53–53 LEE 138 - Pale Green (wheel slot 53) 54–54 LEE 203 - Quarter C T Blue (wheel slot 54) 55–55 LEE 202 - Half C T Blue (wheel slot 55) 56–56 LEE 201 - Full C T Blue (wheel slot 56) 57–57 LEE 200 - Double C T Blue (wheel slot 57) 58–58 LEE 206 - Quarter C T Orange (wheel slot 58) 59–59 LEE 205 - Half C T Orange (wheel slot 59) 60–60 LEE 204 - Full C T Orange (wheel slot 60) 61–255 open (wheel slot 61)

Extended 39CH (continued)

Ch	Function	Default	DMX values
19	C TC	0	0–19 No Function 20–100 2000K - 10000K(1DMX=100K) 101–255 10000K
20	Tint	0	0–0 No function 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
21	Zoom	128	
22	Zoom Fine	0	Fine byte of Zoom
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Iris	0	0–0 Open 1–191 Mid 192–225 Close 226–235 IrisPulseClose 2 236–245 IrisPulseOpen 3 246–255 IrisStrobeRandom 4
26	Frost1	0	0–254 open 255–255 Max
27	Blade1Rot	128	0–254 Rotation from 0 255–255 Rotation from 120
28	Blade1Rot Fine	128	Fine byte of Blade1Rot
29	Blade1A	0	
30	Blade1B	0	
31	Blade2A	0	
32	Blade2B	0	
33	Blade3A	0	
34	Blade3B	0	
35	Blade4A	0	
36	Blade4B	0	
37	Position MSpeed	0	0–254 Max Speed 255–255 Min Speed
38	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting

Extended 39CH (continued)

Ch	Function	Default	DMX values
39	Control1	0	0–6 No function 7–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 5s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 5s) 54–65 Fan Auto (Hold 3s) 66–70 Fan Silent (Hold 3s) 71–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–137 Led Freq1200 Hz (hold 3s) 138–149 Led Freq3600 Hz (hold 3s) 150–161 Led Freq5000 Hz (hold 3s) 162–173 10000 Hz (hold 3s) 174–185 15000 Hz (hold 3s) 186–197 20000 Hz (hold 3s) 198–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)