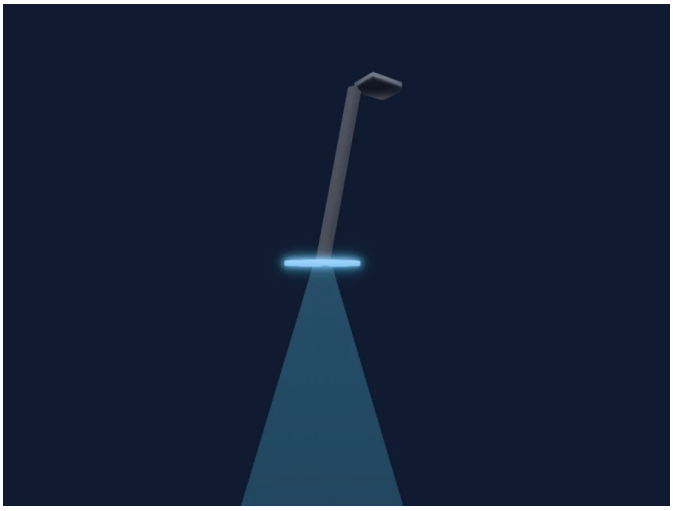
CKC Lighting

FC Halonel Pro



Manufacturer	**CKC Lighting**
Type	**PAR**
DMX modes	**7**
DMX footprint	**1, 8, 14, 16, 20 channels**
Beam angle	**8-60°**
Size (W × H × D)	**243 × 322 × 38 mm**
GDTF fixture type	**60E18F90-FC10-4660-AB43-4E4…**

Controls

Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer

DMX modes

Dimmer 1CH	1 ch
Dimmer Color 8CH	8 ch
Standard 14CH	14 ch
XY Extended 14CH	14 ch
CMY Extended 16CH	16 ch
RGB Extended 16CH	16 ch
Extended 20CH	20 ch

Dimmer 1CH

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%

Dimmer Color 8CH

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4

Dimmer Color 8CH (continued)

Ch	Function	Default	DMX values
4	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

Dimmer Color 8CH (continued)

Ch	Function	Default	DMX values
5	Crossfade	0	

Dimmer Color 8CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

Dimmer Color 8CH (continued)

Ch	Function	Default	DMX values
7	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
8	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle

Standard 14CH

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
4	Red	255	
5	Green	255	
6	Blue	255	

Standard 14CH (continued)

Ch	Function	Default	DMX values
7	Color Add GY	255	
8	Color Add RY	255	

Standard 14CH (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

Standard 14CH (continued)

Ch	Function	Default	DMX values
10	Crossfade	0	

Standard 14CH (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

Standard 14CH (continued)

Ch	Function	Default	DMX values
12	Tint	128	0–0 Idle 1–126 100% Red 127–127 0% Red 128–128 Neutral White 129–254 0% Green 255–255 100% Green
13	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
14	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle

XY Extended 14CH

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

XY Extended 14CH (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
4	C IEX	0	
5	C IEX Fine	0	Fine byte of C IEX
6	C IEY	0	
7	C IEY Fine	0	Fine byte of C IEY

XY Extended 14CH (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

XY Extended 14CH (continued)

Ch	Function	Default	DMX values
9	Crossfade	0	

XY Extended 14CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

XY Extended 14CH (continued)

Ch	Function	Default	DMX values
11	Tint	128	0–0 Idle 1–126 100% Red 127–127 0% Red 128–128 Neutral White 129–254 0% Green 255–255 100% Green
12	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
13	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Idle
14	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle

CMY Extended 16CH

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

CMY Extended 16CH (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
4	Cyan	0	
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	
9	Yellow Fine	0	Fine byte of Yellow

CMY Extended 16CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

CMY Extended 16CH (continued)

Ch	Function	Default	DMX values
11	Crossfade	0	

CMY Extended 16CH (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

CMY Extended 16CH (continued)

Ch	Function	Default	DMX values
13	Tint	128	0–0 Idle 1–126 100% Red 127–127 0% Red 128–128 Neutral White 129–254 0% Green 255–255 100% Green
14	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
15	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Idle
16	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle

RGB Extended 16CH

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

RGB Extended 16CH (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue

RGB Extended 16CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

RGB Extended 16CH (continued)

Ch	Function	Default	DMX values
11	Crossfade	0	

RGB Extended 16CH (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

RGB Extended 16CH (continued)

Ch	Function	Default	DMX values
13	Tint	128	0–0 Idle 1–126 100% Red 127–127 0% Red 128–128 Neutral White 129–254 0% Green 255–255 100% Green
14	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
15	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Idle
16	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle

Extended 20CH

20 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

Extended 20CH (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–94 Min strobe 95–95 Max strobe 96–127 Open2 128–158 Min pulse 159–159 Max pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
4	Red	255	
5	Red Fine	255	Fine byte of Red
6	Green	255	
7	Green Fine	255	Fine byte of Green
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	Color Add GY	255	
11	Color Add GY Fine	255	Fine byte of Color Add GY
12	Color Add RY	255	
13	Color Add RY Fine	255	Fine byte of Color Add RY

Extended 20CH (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400K (wheel slot 2) 25–25 2500K (wheel slot 3) 26–26 2600K (wheel slot 4) 27–27 2700K (wheel slot 5) 28–28 2800K (wheel slot 6) 29–29 2900K (wheel slot 7) 30–30 3000K (wheel slot 8) 31–31 3100K (wheel slot 9) 32–32 3200K (wheel slot 10) 33–33 3300K (wheel slot 11) 34–34 3400K (wheel slot 12) 35–35 3500K (wheel slot 13) 36–36 3600K (wheel slot 14) 37–37 3700K (wheel slot 15) 38–38 3800K (wheel slot 16) 39–39 3900K (wheel slot 17) 40–40 4000K (wheel slot 18) 41–41 4100K (wheel slot 19) 42–42 4200K (wheel slot 20) 43–43 4300K (wheel slot 21) 44–44 4400K (wheel slot 22) 45–45 4500K (wheel slot 23) 46–46 4600K (wheel slot 24) 47–47 4700K (wheel slot 25) 48–48 4800K (wheel slot 26) 49–49 4900K (wheel slot 27) 50–50 5000K (wheel slot 28) 51–51 5100K (wheel slot 29) 52–52 5200K (wheel slot 30) 53–53 5300K (wheel slot 31) 54–54 5400K (wheel slot 32) 55–55 5500K (wheel slot 33) 56–56 5600K (wheel slot 34) 57–57 5700K (wheel slot 35) 58–58 5800K (wheel slot 36) 59–59 5900K (wheel slot 37) 60–60 6000K (wheel slot 38) 61–61 6100K (wheel slot 39) 62–62 6200K (wheel slot 40) 63–63 6300K (wheel slot 41) 64–64 6400K (wheel slot 42) 65–65 6500K (wheel slot 43) 66–66 6600K (wheel slot 44) 67–67 6700K (wheel slot 45) 68–68 6800K (wheel slot 46) 69–69 6900K (wheel slot 47) 70–70 7000K (wheel slot 48) 71–71 7100K (wheel slot 49) 72–72 7200K (wheel slot 50) 73–73 7300K (wheel slot 51) 74–74 7400K (wheel slot 52) 75–75 7500K (wheel slot 53) 76–76 7600K (wheel slot 54) 77–77 7700K (wheel slot 55) 78–78 7800K (wheel slot 56) 79–79 7900K (wheel slot 57) 80–80 8000K (wheel slot 58) 81–81 8100K (wheel slot 59) 82–82 8200K (wheel slot 60) 83–83 8300K (wheel slot 61) 84–84 8400K (wheel slot 62) 85–85 8500K (wheel slot 63) 86–255 8500K (wheel slot 67)

Extended 20CH (continued)

Ch	Function	Default	DMX values
15	Crossfade	0	

Extended 20CH (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	0	0–0 open (wheel slot 61) 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 millenium 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) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 FULL CT Blue (wheel slot 56) 57–57 double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 FULL CT Orange (wheel slot 60) 61–179 No function (wheel slot 61) 180–201 Fast to slow CW 202–207 Stop

Extended 20CH (continued)

Ch	Function	Default	DMX values
17	Tint	128	0–0 Idle 1–126 100% Red 127–127 0% Red 128–128 Neutral White 129–254 0% Green 255–255 100% Green
18	Zoom	128	0–127 Narrow (8 Deg) 128–254 Medium (34 Deg) 255–255 Wide (60 Deg)
19	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Idle
20	Control1	0	0–5 Idle 6–10 Fan Mode Auto 11–15 Fan Mode Mute 16–20 Fan Mode Silent 21–25 Fan Mode High 26–30 Dimmer Curve: Linear 31–35 DimmerCurve:Square(Default) 36–40 Dimmer Curve: Inverse Square 41–45 Dimmer Curve: S-Curve 46–50 1200Hz(Default) 51–55 3600Hz 56–60 5000Hz 61–65 10000Hz 66–70 15000Hz 71–75 20000Hz 76–80 25000Hz 81–85 ZoomReset 86–90 Highest CRI 91–95 Highest Output (Default) 96–100 Bright (Default) 101–105 Uniform 106–110 DTW ON 111–115 DTW OFF 116–255 Idle