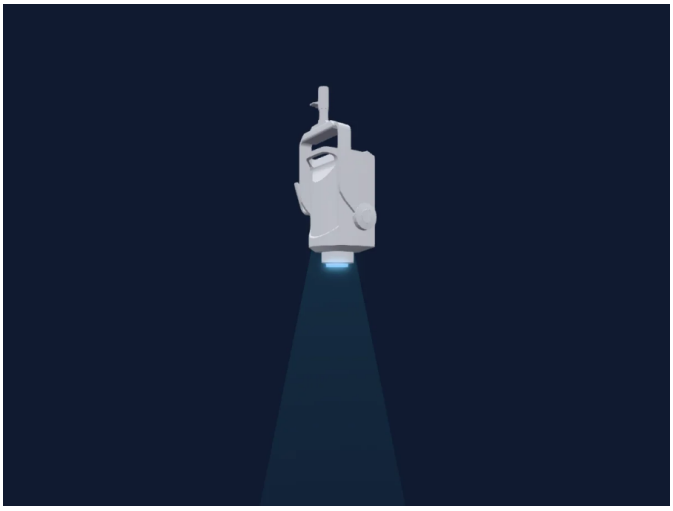
Aputure

LS600c pro



Manufacturer	**Aputure**
Type	**Effect light**
DMX modes	**22**
DMX footprint	**4, 5, 6, 7, 8, 9, 10, 11, 14, 15 channels**
Beam angle	**25°**
Size (W × H × D)	**244 × 468 × 150 mm**
GDTF fixture type	**AF9926ED-AD27-4759-9343-70…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

CCT Mode 8Bit	4 ch
XY Mode 8Bit	4 ch
HSI Mode 8Bit	5 ch
RGB Mode 8Bit	5 ch
SOURCE Mode 8Bit	5 ch
WWRGB Mode 8Bit	5 ch
GEL Mode 8Bit	6 ch
SOURCE Mode 16BIt	6 ch
CCT Mode 16Bit	7 ch
GEL Mode 16Bit	7 ch
XY Mode 16Bit	7 ch
CCT-HSI Mode 8Bit	8 ch
CCT-RGB Mode 8Bit	8 ch
HSI Mode 16Bit	9 ch
RGB Mode 16Bit	9 ch
FX Mode 8Bit	10 ch
WWRGB Mode 16Bit	10 ch
Ultimate Mode 8Bit	11 ch
FX Mode 16Bit	14 ch
CCT-HSI Mode 16Bit	15 ch
CCT-RGB Mode 16Bit	15 ch
Ultimate Mode 16Bit	15 ch

CCT Mode 8Bit

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

XY Mode 8Bit

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C IEX	135	
3	C IEY	127	
4	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

HSI Mode 8Bit

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
3	H SBSaturation	255	
4	Color Rotation	0	0–10 6500k 11–255 2300k-10000k
5	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

RGB Mode 8Bit

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	0	

RGB Mode 8Bit (continued)

Ch	Function	Default	DMX values
3	Green	0	
4	Blue	0	
5	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

SOURCE Mode 8Bit

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Color Rotation	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White 30–32 CFL Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–134 Pink Glow Stick 135–137 Violet Glow Stick 138–255 Reserved
3	C IEX	128	0–254 X-50 255–255 X+50

SOURCE Mode 8Bit (continued)

Ch	Function	Default	DMX values
4	C IEY	128	0–254 Y-50 255–255 Y+50
5	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

WWRGB Mode 8Bit

5 channels

Ch	Function	Default	DMX values
1	Color Add WW	0	
2	Color Add CW	0	
3	Red	0	
4	Green	0	
5	Blue	0	

GEL Mode 8Bit

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–126 3200 127–255 5600
3	Brand	0	0–29 Rosco 30–59 Lee 60–255 Reserved
4	Category	0	0–9 Col corr 10–19 Cal Color 20–29 Storaro 30–39 Cinelux 40–255 Reserved
5	Gel	0	
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

SOURCE Mode 16BIt

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer

SOURCE Mode 16BIt (continued)

Ch	Function	Default	DMX values
3	Color Rotation	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White 30–32 CFL Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–134 Pink Glow Stick 135–137 Violet Glow Stick 138–255 Reserved
4	C IEX	128	0–254 X-50 255–255 X+50
5	C IEY	128	0–254 Y-50 255–255 Y+50
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

CCT Mode 16Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

CCT Mode 16Bit (continued)

Ch	Function	Default	DMX values
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
6	Tint Fine	128	Fine byte of Tint
7	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

GEL Mode 16Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–126 3200 127–255 5600
4	Brand	0	0–29 Rosco 30–59 Lee 60–255 Reserved
5	Category	0	0–9 Col corr 10–19 Cal Color 20–29 Storaro 30–39 Cinelux 40–255 Reserved
6	Gel	0	
7	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

XY Mode 16Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	135	
4	C IEX Fine	135	Fine byte of C IEX
5	C IEY	127	
6	C IEY Fine	127	Fine byte of C IEY
7	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

CCT-HSI Mode 8Bit

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 HSI
5	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
6	H SBSaturation	255	
7	Color Rotation	0	0–10 6500k 11–255 2300k-10000k
8	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

CCT-RGB Mode 8Bit

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
4	Color XF	0	0–254 White 255–255 RGB
5	Red	0	
6	Green	0	
7	Blue	0	
8	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

HSI Mode 16Bit

9 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	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	255	
6	H SBSaturation Fine	255	Fine byte of H SBSaturation
7	Color Rotation	0	0–10 6500k 11–255 2300k-10000k
8	Color Rotation Fine	0	Fine byte of Color Rotation
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

RGB Mode 16Bit

9 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	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

FX Mode 8Bit

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Control1	0	0–10 play 11–120 stop 121–255 Reserved

FX Mode 8Bit (continued)

Ch	Function	Default	DMX values
3	Effect	0	0–9 Club Lights 10–19 Paparazzi 20–29 Lightning 30–39 TV 40–49 Candle 50–59 Fire 60–69 Strobe 70–79 Explosion 80–89 Faulty Bulb 90–99 Pulsing 100–109 Welding 110–119 Cop Car 120–129 Color Chase 130–139 Party Lights 140–149 Fireworks 150–255 Reserved
4	Reserved1	0	0–9 3 10–19 6 20–29 9 30–31 12 32–39 3200 40–49 15 50–59 18 60–67 24 68–69 4300 70–79 36 80–110 Reserved 111–140 5600 141–254 6500 255–255 10000
5	Reserved2	0	
6	Reserved3	0	0–10 slow 11–20 Full Minus Green 21–29 - 99% - - 1% 30–59 StrobeGEL L 60–98 Reserved 99–99 fast 100–104 Reserved 105–119 Random 120–145 Neutral / No Effect 146–244 1% - 99% 245–254 Full Plus Green 255–255 max
7	Reserved4	0	0–9 slow 10–19 Stobe-R CalColor 20–29 Stobe-R Storaro 30–39 Stobe-R Cinelux 40–98 Reserved 99–99 fast 100–255 Random
8	Reserved5	0	
9	Reserved6	0	0–98 low 99–99 fast 100–255 Random
10	Reserved7	0	0–98 slow 99–254 fast 255–255 75%

WWRGB Mode 16Bit

10 channels

Ch	Function	Default	DMX values
1	Color Add WW	0	
2	Color Add WW Fine	0	Fine byte of Color Add WW
3	Color Add CW	0	
4	Color Add CW Fine	0	Fine byte of Color Add CW
5	Red	0	
6	Red Fine	0	Fine byte of Red
7	Green	0	
8	Green Fine	0	Fine byte of Green
9	Blue	0	
10	Blue Fine	0	Fine byte of Blue

Ultimate Mode 8Bit

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Mode	0	0–9 CCT-RGB 10–19 CCT 20–29 CCT-HSI 30–39 RGB 40–49 HSI 50–59 GEL 60–69 XY 70–79 SOURCE 80–89 FX 90–255 Reserved
3	Reserved1	0	
4	Reserved2	0	
5	Reserved3	0	
6	Reserved4	0	
7	Reserved5	0	
8	Reserved6	0	
9	Reserved7	0	
10	Reserved8	0	
11	Reserved9	0	

FX Mode 16Bit

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Stop Loop	0	0–10 stop 11–127 loop 128–255 Reserved

FX Mode 16Bit (continued)

Ch	Function	Default	DMX values
4	Mode	0	0–9 Club Lights 10–19 Paparazzi 20–29 Lightning 30–39 TV 40–49 Candle 50–59 Fire 60–69 Strobe 70–79 Explosion 80–89 Faulty Bulb 90–99 Pulsing 100–109 Welding 110–119 Cop Car 120–129 Color Chase 130–139 Party Lights 140–149 Fireworks 150–255 Reserved
5	Reserved1	0	
6	Reserved2	0	
7	Reserved3	0	
8	Reserved4	0	
9	Reserved5	0	
10	Reserved6	0	
11	Reserved7	0	
12	Reserved8	0	
13	Reserved9	0	
14	Reserved10	0	

CCT-HSI Mode 16Bit

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
6	Tint Fine	128	Fine byte of Tint
7	Color XF	0	0–254 White 255–255 HSI
8	Color XF Fine	0	Fine byte of Color XF

CCT-HSI Mode 16Bit (continued)

Ch	Function	Default	DMX values
9	H SBHue	0	0–42 0deg-Red 43–84 60deg 85–126 120deg-Green 127–169 180deg 170–211 240deg-Blue 212–255 300deg
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	255	
12	H SBSaturation Fine	255	Fine byte of H SBSaturation
13	Color Rotation	0	0–10 6500k 11–255 2300k-10000k
14	Color Rotation Fine	0	Fine byte of Color Rotation
15	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

CCT-RGB Mode 16Bit

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–31 2300 32–67 3200 68–110 4300 111–140 5600 141–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 - 99% - - 1% 120–145 No Effect 146–244 1% - 99% 245–255 Full Plus Green
6	Tint Fine	128	Fine byte of Tint
7	Color XF	0	0–254 White 255–255 RGB
8	Color XF Fine	0	Fine byte of Color XF
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz

Ultimate Mode 16Bit

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Mode	0	0–9 CCT-RGB 10–19 CCT 20–29 CCT-HSI 30–39 RGB 40–49 HSI 50–59 GEL 60–69 XY 70–79 SOURCE 80–89 FX 90–255 Reserved
4	Reserved1	0	
5	Reserved2	0	
6	Reserved3	0	
7	Reserved4	0	
8	Reserved5	0	
9	Reserved6	0	
10	Reserved7	0	
11	Reserved8	0	
12	Reserved9	0	
13	Reserved10	0	
14	Reserved11	0	
15	Reserved12	0	