EXPOLITE

USER MANUAL

Expolite TourCyc 980 FX

led26980



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Every fixture is fully tested and properly packed by the manufacturer. Before installation and use, make sure that the packaging and the fixture are in perfect condition. In case of transport damage, contact your dealer and do not put the fixture into operation.

As part of continuous product development, technical specifications are subject to change without notice.

01 SAFETY PRECAUTIONS

1.1 General information

This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, follow all instructions and guidelines in this manual. The manufacturer is not responsible for injuries and/or damage resulting from misuse of this fixture due to disregard of the information printed in this manual. Only qualified and/or certified personnel should install this fixture, and only the original rigging parts included with the fixture should be used for installation. Any modification to the fixture and/or the included mounting hardware will void the manufacturer's warranty and increase the risk of damage and/or personal injury.

CAUTION

- Protection class I – the fixture must be properly grounded.
- There are no user-serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void the manufacturer's warranty. Damage resulting from modifications to this fixture and/or disregard of the safety instructions and guidelines in this manual voids the manufacturer's warranty and is not subject to any warranty claims and/or repairs.
- Do not plug the fixture into a dimmer pack.
- Never open the fixture while in use.
- Unplug power before servicing the fixture.
- Never touch the fixture during operation, as it may be hot. Keep flammable materials away from the fixture.
- Never look directly into the light source. Risk of retina injury – may induce blindness. Sensitive persons may suffer an epileptic shock.
- Ensure all connections and end caps are properly sealed with a dielectric grease (available at most electrical suppliers) to prevent water corrosion and/or electrical short circuit.
- Minimum distance to objects/surfaces: 1 m.
- Maximum temperature of the external surface: 85 °C.
- Minimum distance to flammable materials: 0.5 m.

1.2 Operating instructions

- Do not touch the fixture housing during operation. Turn off the power and allow approximately 15 minutes for the fixture to cool down before servicing.
- Do not shake the fixture, and avoid brute force when installing and/or operating the fixture.
- Do not operate the fixture if the power cord is frayed, crimped or damaged, and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease.
- Never force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating.
- Do not block any air ventilation slots.
- All fan and air inlets must remain clean and never be blocked.
- Allow approx. 15 cm between the fixture and other devices or a wall for proper cooling.
- Always disconnect the fixture from the main power source before performing any type of service and/or cleaning procedure.
- Only handle the power cord by the plug end. Never pull out the plug by tugging the wire portion of the cord.
- During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process caused by excess paint in the interior of the casing burning off from the operating heat, and it will decrease gradually over time.
- Consistent operational breaks will ensure the fixture functions properly for many years.
- Only use the original packaging and materials to transport the fixture for service.

02 MAINTENANCE AND CLEANING

2.1 Cleaning

Caution: Disconnect power before performing any maintenance or cleaning.

Frequent cleaning is recommended to ensure proper function, optimized light output and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. Never use alcohol, solvents or ammonia-based cleaners.

2.2 Maintenance

Regular inspections are recommended to ensure proper function and an extended life. There are no user-serviceable parts inside this fixture. Refer all other service issues to an authorized service technician. Should you need any spare parts, order genuine parts from your local dealer.

Refer to the following points during routine inspections:

- A detailed electrical check by an approved electrician every three months, to make sure the circuit contacts are in good condition and to prevent overheating.
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall.
- Check for any deformations on the housing, color lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow dust to enter the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure persons.
- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.

03 INSTALLATION

3.1 Flammable materials

Keep the fixture a minimum of 1.5 m away from flammable materials and/or pyrotechnics.

3.2 Electrical connections

A qualified electrician should be used for all electrical connections and/or installations.

CAUTION

- Minimum distance to surfaces/objects: 1 m.
- Minimum distance to flammable materials: 0.5 m.
- The external surface can reach temperatures of 85 °C.
- Do not install the fixture if you are not qualified to do so.

3.3 Rigging

- The fixture must be installed following all local and national commercial electrical and construction codes and regulations.
- Before rigging/mounting one or more fixtures to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer must be consulted to determine whether the truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables and accessories.
- Overhead rigging requires extensive experience, including calculating working load limits, selecting the installation material and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.
- The ambient operating temperature range is -20 °C to +45 °C. Do not operate the fixture when the ambient temperature falls outside this range.
- Install the fixture(s) away from walking paths, seating areas or areas where unauthorized personnel might reach the fixture by hand.
- Never stand directly below the fixture(s) when rigging, removing or servicing.
- Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable.
- Allow approximately 15 minutes for the fixture to cool down before servicing.

4.1 Menu structure

The following overview shows the menu structure with all menu items and setting values as they appear on the fixture display.

Menu item	Options / values
Control	
Base Control › DMX Address	001–512
Base Control › Channel Mode	31CH / 43CH / 67CH / 147CH
Base Control › Protocol	Art-Net / sACN / DMX
Base Control › Wireless Signal	Wireless OFF / Wireless First / Wireless Second / Wireless Only
Base Control › Universe	00001–32767
Main Pixels Ctrl › DMX Address	001–512
Main Pixels Ctrl › Protocol	Art-Net / sACN
Main Pixels Ctrl › Universe	00001–32767
Main Pixels Ctrl › Color Mode	RGB / RGBL
Aura Pixels Ctrl › DMX Address	001–512
Aura Pixels Ctrl › Protocol	Art-Net / sACN
Aura Pixels Ctrl › Universe	00001–32767
Net to DMX	No / YES
WDMX to DMX	No / YES
Wireless Free	Cancel / OK
Manual	
Tilt, Tilt Fine, … , Crossfade	Manual setting of the individual functions
Network	
IP Mode	DHCP / Static
IP Address	000.000.000.000
Subnet Mask	255.000.000.000

4.1 Menu structure (continued)

Menu item	Options / values
Settings	
Display	Always ON / 10 sec / 30 sec / 1min
Display Invert	NO / YES
Key Lock	NO / YES
DMX Loss	Hold / Blackout
Dimmer Speed	Standard / Fast / Slow
Dimmer Curve	Linear / Square / S-Shape
LED Frequency	4 KHz / 8 KHz / 16 KHz / 24 KHz
Red Shift	Off / On
Pixel Invert	Off / On
Fan Mode	Auto / Silent / Full
Tilt Setting	Reversal / Calibration / Encoder
Zoom Setting	Calibration / Sensor: disable / Enable
Color Calibration	RAW Mode / Adjust Mode1 RGBL / Adjust Mode1 RGBL1–RGBL18
Factory Reset	No / Yes
Preset	
Save Preset	Preset1 / Preset2 / Preset3 / Preset4
Recall Preset	Preset1 / Preset2 / Preset3 / Preset4
Information	
Error Info	Shows stored error messages
Temperature	Shows the fixture temperature in °C
Version	Shows the firmware version
UID	Shows the RDM UID

05 DMX CHARTS

EXPOLITE

5.1 31 channel mode

The fixture offers four DMX modes with 31, 43, 67 and 147 channels. The mode is selected in the menu under Control › Base Control › Channel Mode. Channels 1–21 of the 43CH, 67CH and 147CH modes are identical and are listed once in section 5.2; the pixel channels from channel 22 onwards are shown per mode in sections 5.3 to 5.5. Parameter names correspond to the fixture display.

Channel	Parameter	Value	Function
1	Tilt Rotate	0–255	0°–180°
2	Tilt Rotate Fine	0–255	16 bit adjustable
3	Tilt Motor Speed	0–255	Fast to slow
4	Control	0–4	No function
		5–9	Display always on
		10–14	Display stays on for 10 s
		15–19	Display stays on for 30 s
		20–24	Display stays on for 1 min
		25–29	Screen Lock: Off
		30–34	Screen Lock: On
		35–39	Signal Hold
		40–44	Blackout
		45–59	No function
		60–64	Standard Dimming
		65–69	Fast Dimming
		70–74	Slow Dimming
		75–84	No function
		85–89	Dimming Curve: Linear
		90–94	Dimming Curve: Square
		95–99	Dimming Curve: S-Curve
		100–109	No function
		110–114	LED Frequency 4 kHz
		115–119	LED Frequency 8 kHz
		120–124	LED Frequency 16 kHz
		125–129	LED Frequency 24 kHz
		130–139	No function
		140–144	Auto Fan Mode
		145–149	Silent Fan Mode
		150–154	Full Fan Mode
		155–164	No function

5.1 31 channel mode (continued)

Channel	Parameter	Value	Function
4	Control	165–169	Red Shift: Off
		170–174	Red Shift: On
		175–179	Pixel Invert: Off
		180–184	Pixel Invert: On
		185–214	No function
		215–219	Tilt Invert: Off
		220–224	Tilt Invert: On
		225–229	Error Correction: Off
		230–234	Error Correction: On
		235–239	Tilt Reset
		240–244	Focus Reset
		245–249	Reset All
		250–255	No function
5	Zoom	0–255	5°–20°
6	Master Dimmer	0–255	Dark to bright
7	Master Dimmer Fine	0–255	16 bit dimmer
8	RGBL Dimmer	0–255	Dark to bright
9	RGBL Dimmer Fine	0–255	16 bit dimmer
10	WW+CW Dimmer	0–255	Dark to bright
11	RGBL Strobe	0–5	Strobe open
		6–10	Strobe closed
		11–35	Pulse random, slow → fast
		36–60	Ramp up random, slow → fast
		61–85	Ramp down random, slow → fast
		86–110	Random strobe effect
		111–135	Strobe break effect
		136–250	Strobe slow → fast
		251–255	Strobe open
12	CW+WW Strobe	0–5	Strobe open
		6–10	Strobe closed
		11–35	Pulse random, slow → fast
		36–60	Ramp up random, slow → fast
		61–85	Ramp down random, slow → fast
		86–110	Random strobe effect

5.1 31 channel mode (continued)

Channel	Parameter	Value	Function
12	CW+WW Strobe	111–135	Strobe break effect
		136–250	Strobe slow → fast
		251–255	Strobe open
13	R	0–255	Dark to bright
14	R fine	0–255	Dark to bright
15	G	0–255	Dark to bright
16	G fine	0–255	Dark to bright
17	B	0–255	Dark to bright
18	B fine	0–255	Dark to bright
19	L	0–255	Dark to bright
20	L fine	0–255	Dark to bright
21	WW	0–255	Dark to bright
22	CW	0–255	Dark to bright
23	CTO	0–5	No function
		6–21	1800 K
		22–37	2000 K
		38–53	2500 K
		54–69	2700 K
		70–85	3000 K
		86–101	3200 K
		102–117	3500 K
		118–133	4000 K
		134–149	4500 K
		150–165	5000 K
		166–181	5600 K
		182–197	6000 K
		198–213	6500 K
		214–229	7200 K
		230–255	8000 K
24	Color Temperature Compensation	0	Off
		1–127	From magenta to off
		128	Off
		129–255	From off to green
25	Color Macro	0–5	No function

5.1 31 channel mode (continued)

Channel	Parameter	Value	Function
25	Color Macro	6–10	Cyan
		11–15	Magenta
		16–20	Yellow
		21–25	CTO 3200K
		26–30	Flame Red
		31–35	Rose Red
		36–40	Sunset Red
		41–45	Dark Pink
		46–50	Bright Pink
		51–55	Golden Amber
		56–60	Bastard Amber
		61–65	Full C.T. Orange
		66–70	Sky Blue
		71–75	Steel Blue
		76–80	Light Blue
		81–85	Medium Blue
		86–90	Summer Blue
		91–95	Pale Navy Blue
		96–100	Lagoon Blue
		101–105	Lighter Blue
		106–110	Lime Green
		111–115	Moss Green
		116–120	Forest Green
		121–125	Pale Green
		126–130	Sea Green
		131–135	Spring Green
		136–140	Aquamarine
		141–145	Emerald Green
		146–185	Rainbow effect – continuous color flow
		186–220	Color macro jump
		221–255	Color macro fade – smooth transition between macros
26	RGBL LEDs Built-in Program	0–9	No function
		10–34	Program 1
		35–59	Program 2

5.1 31 channel mode (continued)

Channel	Parameter	Value	Function
26	RGBL LEDs Built-in Program	60–84	Program 3
		85–109	Program 4
		110–134	Program 5
		135–159	Program 6
		160–184	Program 7
		185–209	Program 8
		210–234	Program 9
		235–244	Program 10
		245–255	Loop Program 1–10
27	RGBL LEDs Built-in Program Speed	0–127	Index
		128	Stop
		129–191	Clockwise rotation, fast → slow
		192	Stop
		193–255	Counterclockwise rotation, slow → fast
28	Aura LEDs Built-in Program	0–9	No function
		10–34	Program 1
		35–59	Program 2
		60–84	Program 3
		85–109	Program 4
		110–134	Program 5
		135–159	Program 6
		160–184	Program 7
		185–209	Program 8
		210–234	Program 9
		235–244	Program 10
		245–255	Loop Program 1–10
29	Aura LEDs Built-in Program Speed	0–127	Index
		128	Stop
		129–191	Clockwise rotation, fast → slow
		192	Stop
		193–255	Counterclockwise rotation, slow → fast
30	Program Fade	0–255	Max. tail length 3–4 (subject to visual effect)
31	Pixel Control	0–15	DMX control
		16–238	Mixed mode

5.1 31 channel mode (continued)

Channel	Parameter	Value	Function
31	Pixel Control	239–255	Network control

5.2 43CH / 67CH / 147CH modes – channels 1–21

Channel	Parameter	Value	Function
1	Tilt Rotate	0–255	0°–180°
2	Tilt Rotate Fine	0–255	16 bit adjustable
3	Tilt Motor Speed	0–255	Fast to slow
4	Control	0–4	No function
		5–9	Display always on
		10–14	Display stays on for 10 s
		15–19	Display stays on for 30 s
		20–24	Display stays on for 1 min
		25–29	Screen Lock: Off
		30–34	Screen Lock: On
		35–39	Signal Hold
		40–44	Blackout
		45–59	No function
		60–64	Standard Dimming
		65–69	Fast Dimming
		70–74	Slow Dimming
		75–84	No function
		85–89	Dimming Curve: Linear
		90–94	Dimming Curve: Square
		95–99	Dimming Curve: S-Curve
		100–109	No function
		110–114	LED Frequency 4 kHz
		115–119	LED Frequency 8 kHz
		120–124	LED Frequency 16 kHz
		125–129	LED Frequency 24 kHz
		130–139	No function
		140–144	Auto Fan Mode
		145–149	Silent Fan Mode
		150–154	Full Fan Mode

5.2 43CH / 67CH / 147CH modes – channels 1–21 (continued)

Channel	Parameter	Value	Function
4	Control	155–164	No function
		165–169	Red Shift: Off
		170–174	Red Shift: On
		175–179	Pixel Invert: Off
		180–184	Pixel Invert: On
		185–214	No function
		215–219	Tilt Invert: Off
		220–224	Tilt Invert: On
		225–229	Error Correction: Off
		230–234	Error Correction: On
		235–239	Tilt Reset
		240–244	Focus Reset
		245–249	Reset All
		250–255	No function
5	Zoom	0–255	5°–20°
6	Master Dimmer	0–255	Dark to bright
7	Master Dimmer Fine	0–255	16 bit dimmer
8	RGBL Dimmer	0–255	Dark to bright
9	RGBL Dimmer Fine	0–255	16 bit dimmer
10	WW+CW Dimmer	0–255	Dark to bright
11	RGBL Strobe	0–5	Strobe open
		6–10	Strobe closed
		11–35	Pulse random, slow → fast
		36–60	Ramp up random, slow → fast
		61–85	Ramp down random, slow → fast
		86–110	Random strobe effect
		111–135	Strobe break effect
		136–250	Strobe slow → fast
		251–255	Strobe open
12	CW+WW Strobe	0–5	Strobe open
		6–10	Strobe closed
		11–35	Pulse random, slow → fast
		36–60	Ramp up random, slow → fast
		61–85	Ramp down random, slow → fast

5.2 43CH / 67CH / 147CH modes – channels 1–21 (continued)

Channel	Parameter	Value	Function
12	CW+WW Strobe	86–110	Random strobe effect
		111–135	Strobe break effect
		136–250	Strobe slow → fast
		251–255	Strobe open
13	CTO	0–5	No function
		6–21	1800 K
		22–37	2000 K
		38–53	2500 K
		54–69	2700 K
		70–85	3000 K
		86–101	3200 K
		102–117	3500 K
		118–133	4000 K
		134–149	4500 K
		150–165	5000 K
		166–181	5600 K
		182–197	6000 K
		198–213	6500 K
		214–229	7200 K
		230–255	8000 K
14	Color Temperature Compensation	0	Off
		1–127	From magenta to off
		128	Off
		129–255	From off to green
15	Color Macro	0–5	No function
		6–10	Cyan
		11–15	Magenta
		16–20	Yellow
		21–25	CTO 3200K
		26–30	Flame Red
		31–35	Rose Red
		36–40	Sunset Red
		41–45	Dark Pink
		46–50	Bright Pink

5.2 43CH / 67CH / 147CH modes – channels 1–21 (continued)

Channel	Parameter	Value	Function
15	Color Macro	51–55	Golden Amber
		56–60	Bastard Amber
		61–65	Full C.T. Orange
		66–70	Sky Blue
		71–75	Steel Blue
		76–80	Light Blue
		81–85	Medium Blue
		86–90	Summer Blue
		91–95	Pale Navy Blue
		96–100	Lagoon Blue
		101–105	Lighter Blue
		106–110	Lime Green
		111–115	Moss Green
		116–120	Forest Green
		121–125	Pale Green
		126–130	Sea Green
		131–135	Spring Green
		136–140	Aquamarine
		141–145	Emerald Green
		146–185	Rainbow effect – continuous color flow
		186–220	Color macro jump
		221–255	Color macro fade – smooth transition between macros
16	RGBL LEDs Built-in Program	0–9	No function
		10–34	Program 1
		35–59	Program 2
		60–84	Program 3
		85–109	Program 4
		110–134	Program 5
		135–159	Program 6
		160–184	Program 7
		185–209	Program 8
		210–234	Program 9
		235–244	Program 10
		245–255	Loop Program 1–10

5.2 43CH / 67CH / 147CH modes – channels 1–21 (continued)

Channel	Parameter	Value	Function
17	RGBL LEDs Built-in Program Speed	0–127	Index
		128	Stop
		129–191	Clockwise rotation, fast → slow
		192	Stop
		193–255	Counterclockwise rotation, slow → fast
18	Aura LEDs Built-in Program	0–9	No function
		10–34	Program 1
		35–59	Program 2
		60–84	Program 3
		85–109	Program 4
		110–134	Program 5
		135–159	Program 6
		160–184	Program 7
		185–209	Program 8
		210–234	Program 9
		235–244	Program 10
		245–255	Loop Program 1–10
19	Aura LEDs Built-in Program Speed	0–127	Index
		128	Stop
		129–191	Clockwise rotation, fast → slow
		192	Stop
		193–255	Counterclockwise rotation, slow → fast
20	Program Fade	0–255	Max. tail length 3–4 (subject to visual effect)
21	Pixel Control	0–15	DMX control
		16–238	Mixed mode
		239–255	Network control

5.3 43CH mode – pixel channels 22–43

Channel	Parameter	Value	Function
22–25	R-1, G-1, B-1, L-1	0–255	Row 1: dark to bright
26–29	R-2, G-2, B-2, L-2	0–255	Row 2: dark to bright
30–33	R-3, G-3, B-3, L-3	0–255	Row 3: dark to bright
34–35	WW-1, CW-1	0–255	Row 1: dark to bright

5.3 43CH mode – pixel channels 22–43 (continued)

Channel	Parameter	Value	Function
36–37	WW-2, CW-2	0–255	Row 2: dark to bright
38–39	WW-3, CW-3	0–255	Row 3: dark to bright
40–41	WW-4, CW-4	0–255	Row 4: dark to bright
42–43	WW-5, CW-5	0–255	Row 5: dark to bright

5.4 67CH mode – pixel channels 22–67

Channel	Parameter	Value	Function
22–25	R-1, G-1, B-1, L-1	0–255	Vertical line 1: dark to bright
26–29	R-2, G-2, B-2, L-2	0–255	Vertical line 2: dark to bright
30–33	R-3, G-3, B-3, L-3	0–255	Vertical line 3: dark to bright
34–37	R-4, G-4, B-4, L-4	0–255	Vertical line 4: dark to bright
38–41	R-5, G-5, B-5, L-5	0–255	Vertical line 5: dark to bright
42–45	R-6, G-6, B-6, L-6	0–255	Vertical line 6: dark to bright
46–47	WW-1, CW-1	0–255	Vertical line 1: dark to bright
48–49	WW-2, CW-2	0–255	Vertical line 2: dark to bright
50–51	WW-3, CW-3	0–255	Vertical line 3: dark to bright
52–53	WW-4, CW-4	0–255	Vertical line 4: dark to bright
54–55	WW-5, CW-5	0–255	Vertical line 5: dark to bright
56–57	WW-6, CW-6	0–255	Vertical line 6: dark to bright
58–59	WW-7, CW-7	0–255	Vertical line 7: dark to bright
60–61	WW-8, CW-8	0–255	Vertical line 8: dark to bright
62–63	WW-9, CW-9	0–255	Vertical line 9: dark to bright
64–65	WW-10, CW-10	0–255	Vertical line 10: dark to bright
66–67	WW-11, CW-11	0–255	Vertical line 11: dark to bright

5.5 147CH mode – pixel channels 22–147

Channel	Parameter	Value	Function
22–25	R-1, G-1, B-1, L-1	0–255	Individual LED 1: dark to bright
26–29	R-2, G-2, B-2, L-2	0–255	Individual LED 2: dark to bright
30–33	R-3, G-3, B-3, L-3	0–255	Individual LED 3: dark to bright
34–37	R-4, G-4, B-4, L-4	0–255	Individual LED 4: dark to bright
38–41	R-5, G-5, B-5, L-5	0–255	Individual LED 5: dark to bright
42–45	R-6, G-6, B-6, L-6	0–255	Individual LED 6: dark to bright

5.5 147CH mode – pixel channels 22–147 (continued)

Channel	Parameter	Value	Function
46–49	R-7, G-7, B-7, L-7	0–255	Individual LED 7: dark to bright
50–53	R-8, G-8, B-8, L-8	0–255	Individual LED 8: dark to bright
54–57	R-9, G-9, B-9, L-9	0–255	Individual LED 9: dark to bright
58–61	R-10, G-10, B-10, L-10	0–255	Individual LED 10: dark to bright
62–65	R-11, G-11, B-11, L-11	0–255	Individual LED 11: dark to bright
66–69	R-12, G-12, B-12, L-12	0–255	Individual LED 12: dark to bright
70–73	R-13, G-13, B-13, L-13	0–255	Individual LED 13: dark to bright
74–77	R-14, G-14, B-14, L-14	0–255	Individual LED 14: dark to bright
78–81	R-15, G-15, B-15, L-15	0–255	Individual LED 15: dark to bright
82–85	R-16, G-16, B-16, L-16	0–255	Individual LED 16: dark to bright
86–89	R-17, G-17, B-17, L-17	0–255	Individual LED 17: dark to bright
90–93	R-18, G-18, B-18, L-18	0–255	Individual LED 18: dark to bright
94–95	WW-1, CW-1	0–255	Aura strobe strip (single control) 1: dark to bright
96–97	WW-2, CW-2	0–255	Aura strobe strip (single control) 2: dark to bright
98–99	WW-3, CW-3	0–255	Aura strobe strip (single control) 3: dark to bright
100–101	WW-4, CW-4	0–255	Aura strobe strip (single control) 4: dark to bright
102–103	WW-5, CW-5	0–255	Aura strobe strip (single control) 5: dark to bright
104–105	WW-6, CW-6	0–255	Aura strobe strip (single control) 6: dark to bright
106–107	WW-7, CW-7	0–255	Aura strobe strip (single control) 7: dark to bright
108–109	WW-8, CW-8	0–255	Aura strobe strip (single control) 8: dark to bright
110–111	WW-9, CW-9	0–255	Aura strobe strip (single control) 9: dark to bright
112–113	WW-10, CW-10	0–255	Aura strobe strip (single control) 10: dark to bright
114–115	WW-11, CW-11	0–255	Aura strobe strip (single control) 11: dark to bright
116–117	WW-12, CW-12	0–255	Aura strobe strip (single control) 12: dark to bright
118–119	WW-13, CW-13	0–255	Aura strobe strip (single control) 13: dark to bright
120–121	WW-14, CW-14	0–255	Aura strobe strip (single control) 14: dark to bright
122–123	WW-15, CW-15	0–255	Aura strobe strip (single control) 15: dark to bright
124–125	WW-16, CW-16	0–255	Aura strobe strip (single control) 16: dark to bright
126–127	WW-17, CW-17	0–255	Aura strobe strip (single control) 17: dark to bright
128–129	WW-18, CW-18	0–255	Aura strobe strip (single control) 18: dark to bright
130–131	WW-19, CW-19	0–255	Aura strobe strip (single control) 19: dark to bright
132–133	WW-20, CW-20	0–255	Aura strobe strip (single control) 20: dark to bright
134–135	WW-21, CW-21	0–255	Aura strobe strip (single control) 21: dark to bright
136–137	WW-22, CW-22	0–255	Aura strobe strip (single control) 22: dark to bright

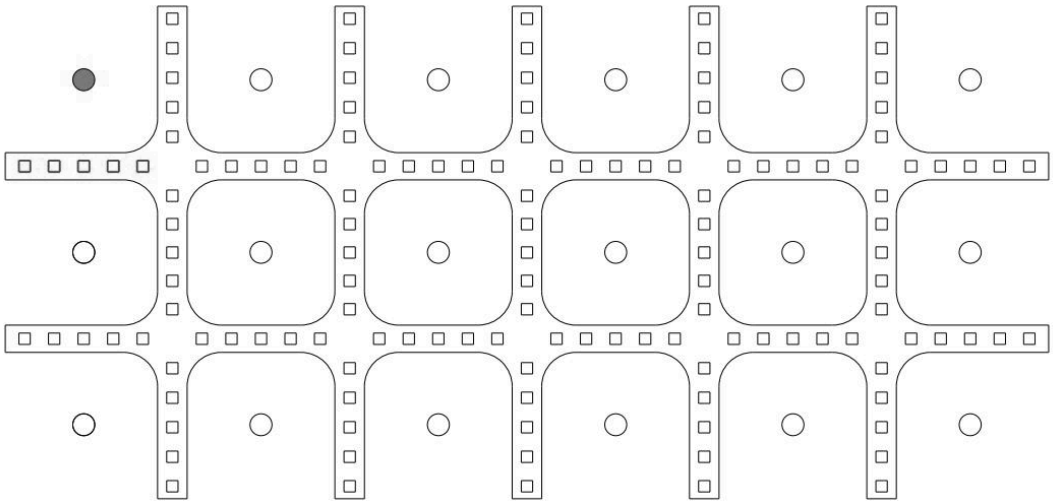
5.5 147CH mode – pixel channels 22–147 (continued)

Channel	Parameter	Value	Function
138–139	WW-23, CW-23	0–255	Aura strobe strip (single control) 23: dark to bright
140–141	WW-24, CW-24	0–255	Aura strobe strip (single control) 24: dark to bright
142–143	WW-25, CW-25	0–255	Aura strobe strip (single control) 25: dark to bright
144–145	WW-26, CW-26	0–255	Aura strobe strip (single control) 26: dark to bright
146–147	WW-27, CW-27	0–255	Aura strobe strip (single control) 27: dark to bright

06 LED LAYOUT

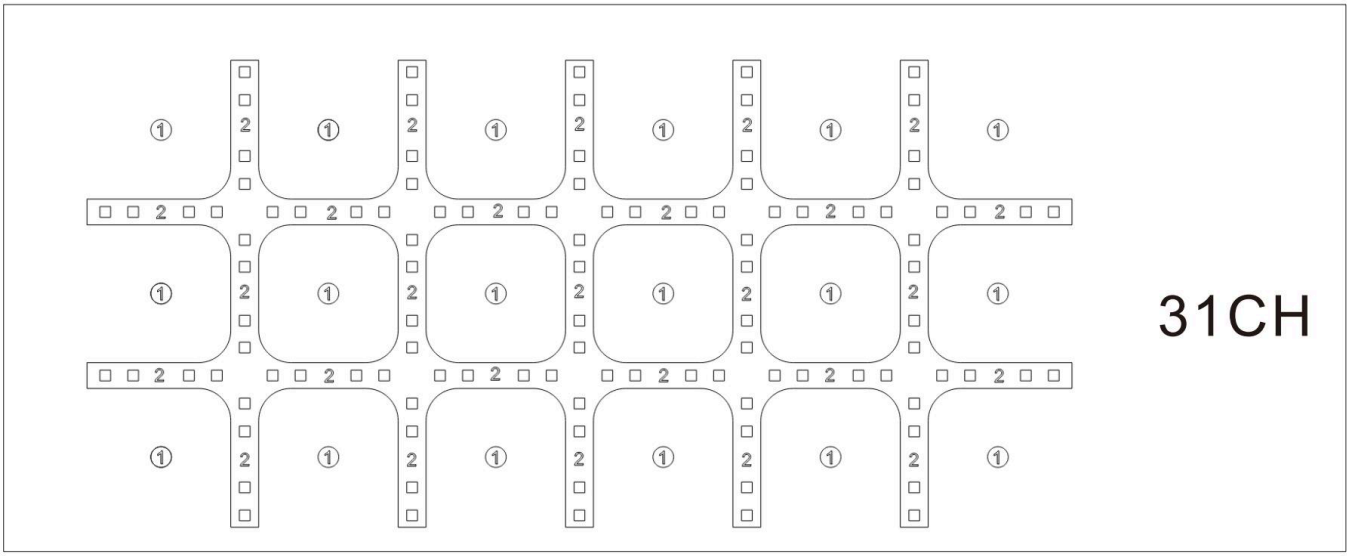
6.1 Overview

Circles represent the main LEDs (18 pcs) with individual control. Squares represent the aux LEDs, which are controlled in groups of 5.

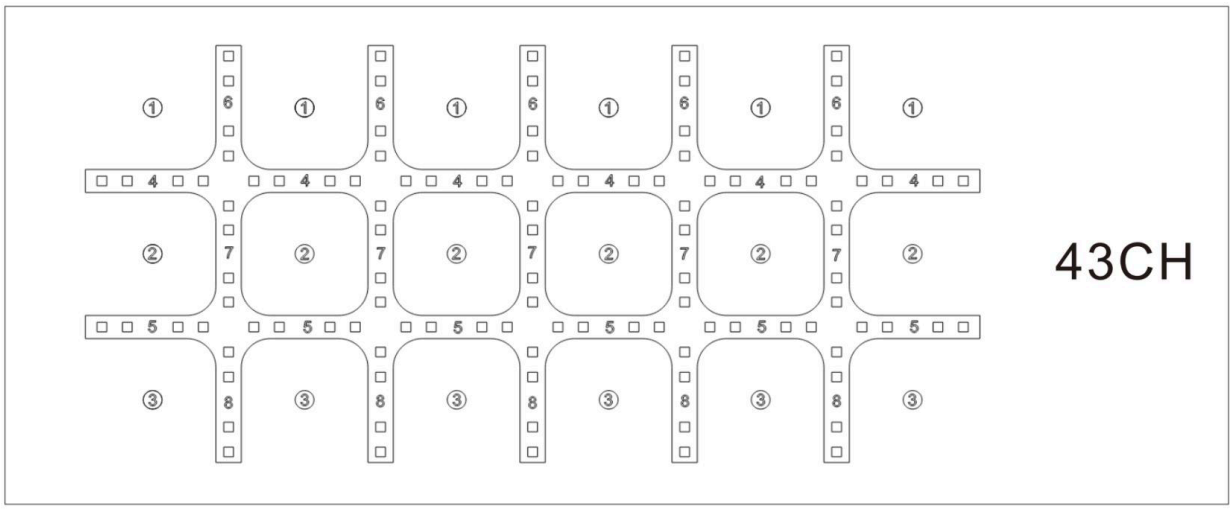


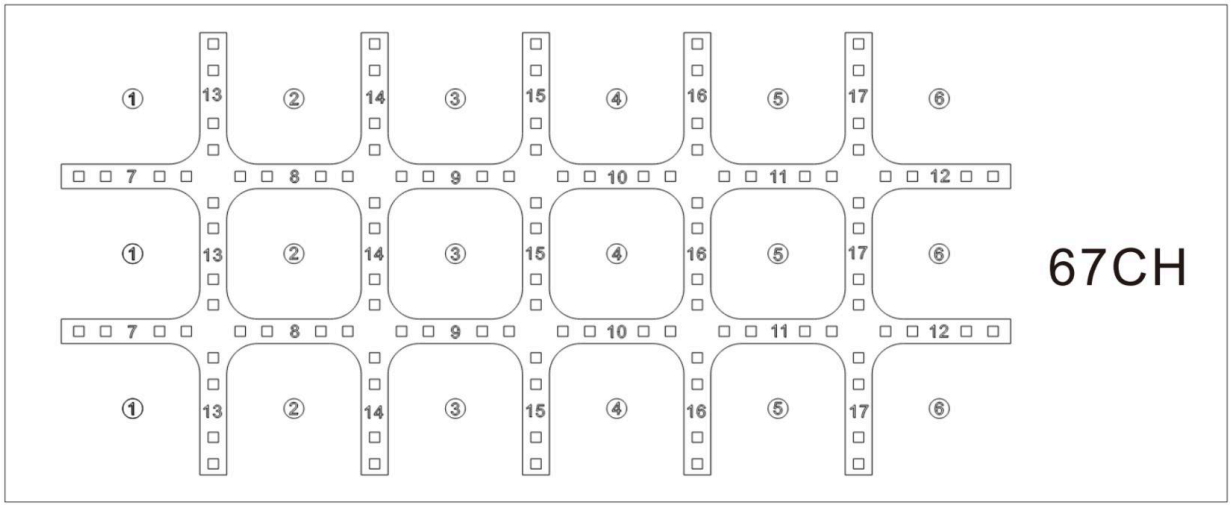
6.2 Pixel mapping per DMX mode

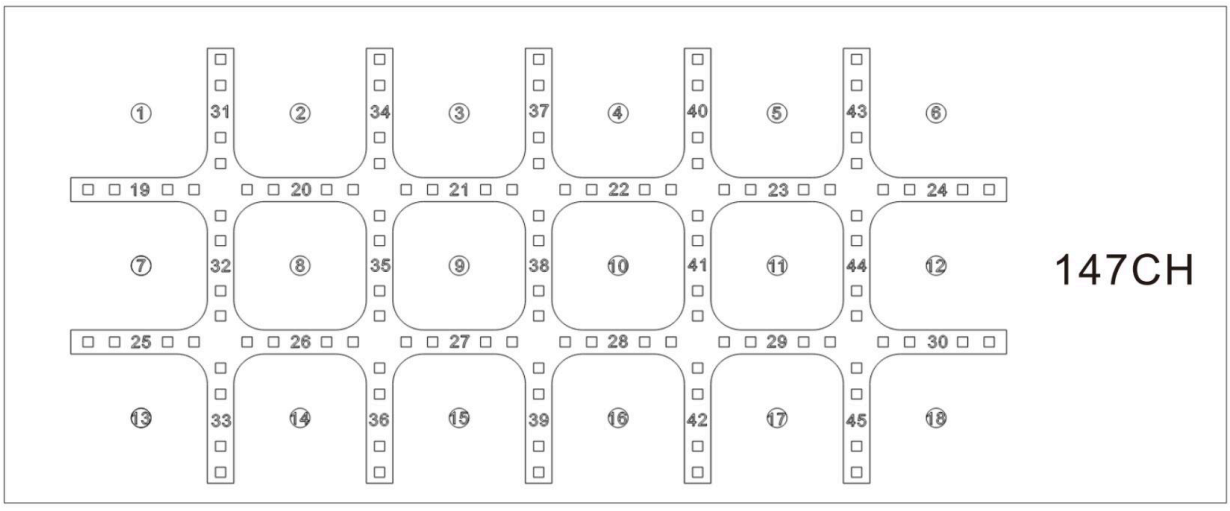
Circled numbers represent main LEDs; uncircled numbers represent aux LED groups (controlled in groups of 5). The number corresponds to the pixel group in the DMX chart of the respective mode (chapter 05).



6.2 Pixel mapping per DMX mode (continued)





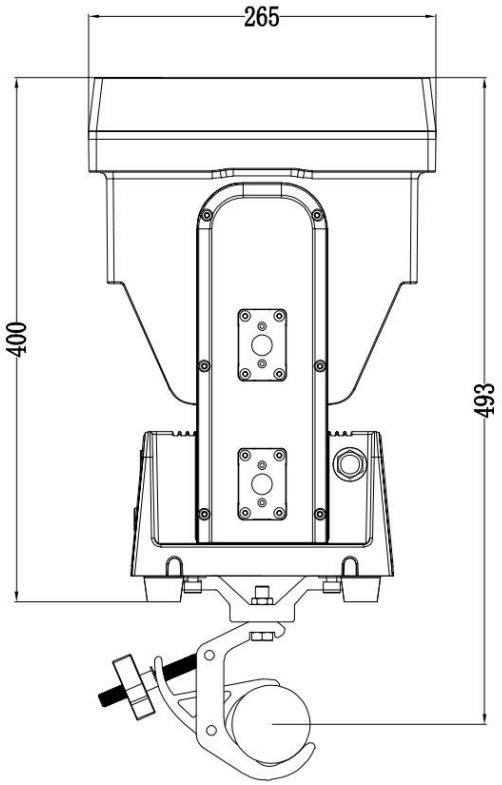


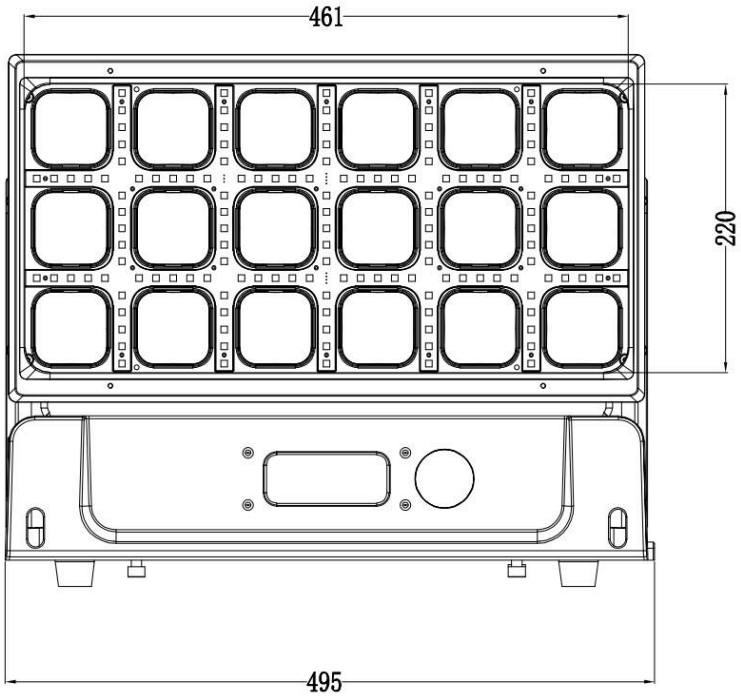
07 DIMENSIONS

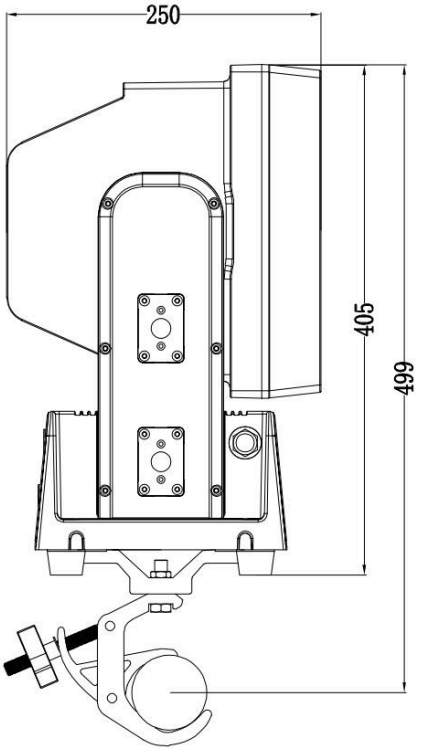
EXPOLITE

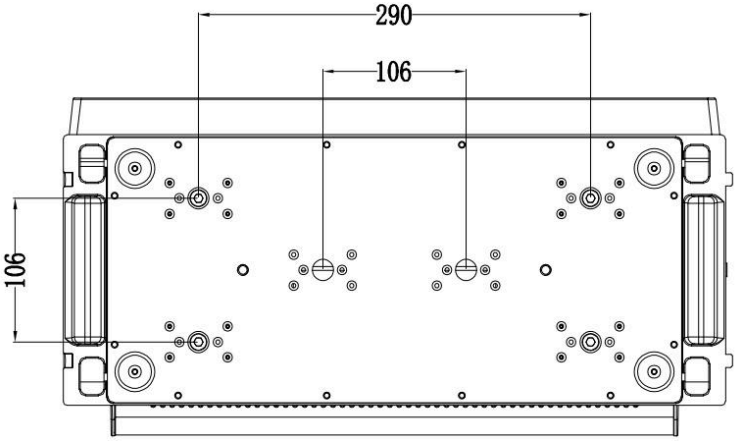
7.1 Dimensional drawings

All dimensions in mm.









08 TECHNICAL SPECIFICATIONS

EXPOLITE

8.1 Specifications

Physical and construction	
Fixture dimensions (W × D × H)	495 × 250 × 400 mm
Net weight	24 kg
Gross weight	27 kg
Max. external surface temperature	60 °C
Operating temperature	-20 °C to +45 °C
IP rating	IP65
Electrical specifications	
Input voltage	100–240 V AC, 50/60 Hz
Power consumption	1050 W at 110 V / 980 W at 230 V
Electrical parameters (voltage / current / power factor)	230 V / 4.30 A / 0.98 PF 110 V / 8.86 A / 0.99 PF
Fuse	F20AL250V
Power linking	110 V / 8.86 A: max. 1 unit 230 V / 4.30 A: max. 2 units
Optical and photometric	
LED source	Main LEDs: 18 × 50 W RGBL Aura LEDs: 135 × 1 W CW+WW (5 pcs per group, 27 groups in total)
Optical angle	Beam angle: 5°–20° Field angle: 9°–27° Single lens angle: 5°
Photometric data	3 m: min. angle 70,500 lx | max. angle 11,100 lx 5 m: min. angle 45,100 lx | max. angle 4,160 lx 8 m: min. angle 23,800 lx | max. angle 1,730 lx
Control	
DMX channel modes	31CH / 43CH / 67CH / 147CH
Control mode	RDM, Art-Net, sACN, DMX512, NFC, Auto-run, W-DMX (optional)
Strobe rate	1–25 Hz
Refresh rate (PWM)	4–25 kHz

Note: As part of continuous product development, technical specifications are subject to change without notice.

QUESTIONS OR FEEDBACK?

Scan the QR code to get in touch — we’re happy to help!

FOCON Showtechnic | Teichweg 4+6 | 49504 Lotte | +49 (0) 541 / 770 95 - 0 | info@focon-showtechnic.com