B18xUV

Setup & DMX reference

395 nm UV-A LED bar - indoor fixture

Current setup reference compiled from confirmed product specifications and the valid DMX tables in the V220411 user instructions. This document is not a firmware release or a firmware compatibility statement.

Confirmed fixture specifications

Item	Reference
LED configuration	18 x 3 W UV-A LEDs; 395 nm
Maximum fixture power	75 W (LED configuration is not UV radiant output)
Beam / wash angle	100 degrees x 70 degrees
Mains input	AC 90-240 V, 50-60 Hz
Control	DMX-512 and RDM; 1-, 3- or 8-channel personality
Connections	XLR IN / OUT; PowerCon IN / OUT
Environment	IP20; indoor use; -10 to +45 degrees C
Size / net weight	483 x 88 x 140 mm; 2.6 kg
Cooling	Fan and dual temperature sensors; 65 degrees C protection

Installation and first setup

1. Prepare the location. Use indoors; allow at least 50 cm from walls, keep ventilation clear and avoid direct UV viewing.

Installation and mains connection are for qualified personnel; disconnect mains before installation or servicing.

2. Check mains power. Match the fixture rating to the supply and maintain protective earth. Do not connect this fixture to a dimmer pack.

3. Connect DMX. Connect the lighting controller to XLR IN; use XLR OUT when continuing the DMX line. Select DMX operation and set the address on the LCD menu.

4. Match the personality. Select 1, 3 or 8 channels on the fixture, then patch the same personality at the controller. The mapping is on page 2.

Specification note: The old V220411 manual prints 60 degrees and AC 100-240 V, and contains color-template wording. This reference uses the subsequently confirmed 100 x 70 degree beam and AC 90-240 V input; the fixture is UV, not an RGB color-mixing bar.

Power linking: maximum 8 fixtures at 220 V or 4 fixtures at 110 V, using suitable power cables and connectors.

DMX personality tables

Select the same channel mode on the fixture and console. Values below are DMX values (0-255).

1-channel mode

Channel	Value	Function
1	0-255	Main brightness, 0-100%

3-channel mode

Channel	Value	Function
1	0-255	UV grid 1 brightness
2	0-255	UV grid 2 brightness
3	0-255	UV grid 3 brightness

8-channel mode

Channel	Value	Function
1	0-255	Main brightness, 0-100%
2	0-255	UV grid 1 brightness
3	0-255	UV grid 2 brightness
4	0-255	UV grid 3 brightness
5	0-214	Synchronized strobe, slow to fast
5	215-255	Random strobe, slow to fast
6	0-255	Dimmer-mode preset (ranges below)
7	0-255	Refresh-frequency preset (ranges below)
8	0-127	Fan running
8	128-255	Fan off

Preset value ranges

CH6 - dimmer modes
Mode 0: 0-9; 1: 10-59; 2: 60-84;
3: 85-109; 4: 110-134; 5: 135-159;
6: 160-184; 7: 185-209; 8: 210-255.
The source identifies presets by number.

CH7 - refresh frequency (kHz)
0-27: 14.48; 28-56: 7.24; 57-84: 4.83;
85-112: 3.62; 113-141: 2.90;
142-169: 2.41; 170-197: 2.07;
198-226: 1.61; 227-255: 1.03.

Sources: B18xUV User Instructions V220411, sections 2-4 (connection, LCD and DMX tables); product specifications confirmed on 2026-08-03/04. Internal source archive is retained separately. No new firmware or hardware revision is asserted.

Product: supercanlight.com/led-uv-bar-light/ | Support: info@supercanlight.com