

ASTRA 1X1

ASTRA 1X1 (E)

ASTRA 1X1 (EP)

These instructions are provided to assure safe operation and to prolong the life of your Litepanels product. Please read these important instructions and keep them in a safe place.

- Clean the fixtures with a dry cloth only.
- Do not block any ventilation openings on the fixtures.
- Install the fixtures in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
- This apparatus should be connected to a MAINS socket outlet with a protective grounded connection, via the included AC Adapter.
- Protect the power cord from being stepped on or pinched, particularly at plugs, convenience receptacles, and the point where they exit the fixture.
- Use only the AC Adapter and accessories/attachments supplied or specified by the manufacturer.
- Connect the supplied AC adapter only to AC power outlets rated 100/120V 220/240V 50/60Hz.
- The DC XLR power connector is used as the disconnect device.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose the fixtures to rain, moisture or other liquids.
- For use with US power cord:
Do not defeat the safety purpose of the polarized, or grounding type plug. A polarized plug has 2 blades with one wider than the other. A grounding type plug has 2 blades and a third grounding prong. The wide blade, or third prong, is provided for your safety. If the provided plug does not fit into your outlet, please consult an electrician for replacement of the obsolete outlet.
- Service is required when the apparatus has been damaged in any way such as:
 - AC Adapter, power cord or plug is damaged.
 - Liquid spilled into the apparatus.
 - The unit has been exposed to rain or moisture.
 - The unit has been dropped or the enclosure is damaged.
 - The unit does not operate normally or performance changes in any significant way.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: The Astra 1x1 fixtures contain no user serviceable parts internally. Refer all servicing to qualified, Litepanels trained service personnel.
○ The warranty on Astra 1x1 fixtures is void if opened. Security features built into the unit show evidence of opening.

Mounting Instructions

The Astra 1x1 fixtures can be hung using standard light fixture mounting hardware or used with a lightstand. A standard TVMP receptacle is installed; if required this can be removed and other industry standard mounting hardware can be attached using the 1/2" hole in the yoke.

Warning: Always use the fixture right side up! Swing the yoke down below the fixture for use on a stand, or up above the fixture for hanging from a grid or ceiling.

Note: Always follow local regulations regarding using additional safety equipment (e.g. safety cable / chain).

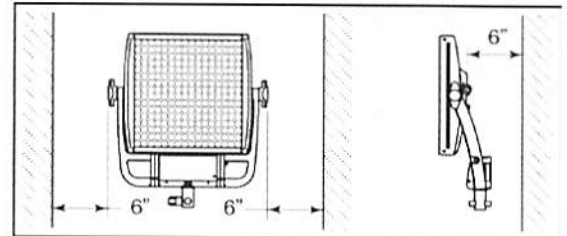
Warning: Do not operate the fixture in an environment it is not specified for:
• Operational in ambient temperatures from -20°C to +50°C (-4°F to +122°F).
• Operational in humidity up to 85% relative humidity (non-condensing).

Note: Do not store or transport fixtures in an environment above 65°C (149°F).

Warning: Always *ensure proper ventilation by keeping all ventilation openings clear*, and give the fixture at least 6" (>15 cm) clearance from both sides and the rear of the fixture.

This includes the use of accessories. Always ensure accessories do not block ventilation openings. Always use original Litepanels accessories to ensure safe operation.

Note: For optimized fixture life, always use the dimming function instead of mains power or on/off switch, when turning the light off short term (<90 mins) to allow the fixtures' thermal management to continue regulating crucial internal components.



Powering the Fixture

Astra 1x1 uses a 3-pin XLR plug that is plugged into the socket beneath the fixture label on the rear panel.

The Power Supply is meant to stay attached to the yoke. The power supply can be removed together with the holding brackets under special circumstance. Push in the bracket tabs that are facing the TVMP on the yoke; then lift the holding hooks out the yoke plate in an angular motion.

Note: Remove the XLR plug from the fixture first, then support the weight of the Power Supply, while releasing the tabs and hooks.

Warning: The Power Supply can be hot after use.

WARNING: Always ensure the XLR connector from the AC Adapter locks firmly into the socket on the rear panel.

Note: Optional battery brackets are available as optional accessories and may be permanently attached across from the power supply on the other side of the yoke. Please follow the instructions included with the battery bracket.



Power-in XLR Socket:

The wiring of the 3-pin XLR plug on the rear panel of the Astra 1x1 is as follows:

Pin1 = GRND, Pin2 = +V, Pin3 = Not connected. (Do not use non-approved AC adapters, which may damage the unit and void your warranty.)

Note: Unplug the XLR plug as a disconnect device.

Dimmer Control Knob:

The Dimmer Control Knob allows for variations in intensity from 100% – 0 and is located just above the on/off switch.

100% is achieved by turning the knob fully clockwise; 0 is achieved by turning it fully counter-clockwise.

There is no change in the color temperature as the fixture is dimmed down or up.

Note: When a valid communication signal (e.g. DMX 512) is addressing the fixture via an optional communications module, the adjustment of the Dimmer Knob is overridden by the communications signal. When this signal is lost, the fixture defaults to the value set by the current knob position.

Color Temperature Control Knob (if applicable)

The Color Temperature Control Knob allows for variations in color temperature from Tungsten to Daylight and is located above the dimmer knob. Daylight is achieved by turning the knob fully clockwise; Tungsten is achieved by turning it fully counter-clockwise.

Always adjust the color temperature to a reference (e.g. white balance card) to ensure the color temperature setting and output match the desired effect.

Note: When a valid communication signal (e.g. DMX 512) is addressing the fixture via an optional communications module, the adjustment of the Color Temperature Control Knob is overridden by the communications signal. When this signal is lost, the fixture defaults to the value set by the current knob position.

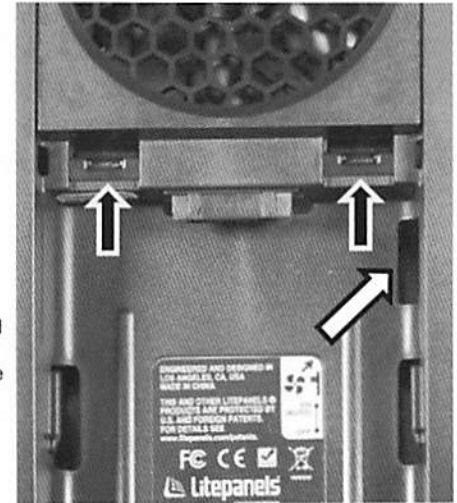
Fan (not applicable to *Astra 1x1 E* and *Astra 1x1 EP* fixtures)

Some Astra 1x1 units have a fan. The fixture uses sophisticated algorithms to manage the internal temperature of your fixture to maximize the lifetime of the LEDs and electronics. When the fan is turned on (auto) these algorithms control the function and speed of the fan. You can opt to turn the fan off. By turning the fan off, the intensity output is cut in half (50% of output with fan). The switch to turn the fan on/off is hidden inside the well for the communications module. Please remove the module well cover by pushing the two tabs to the top left and right in towards the center and pull the module down in an angular downward motion. The Switch is in the top right corner inside the module well (black arrow with white fill). As indicated, if the switch is UP the fan is On/Auto and DOWN is Off.

The fan is a user replaceable part:

After switching the unit off, please remove the XLR connector from the fixture. Then remove the communications well cover by pushing the two tabs to the top left and right in towards the center and pull the module down in an angular downward motion. There are two tabs just below the fan module (see image: white arrow with black fill). Unlock these tabs by pushing them up and carefully pulling the module back and hinging it up. The connecting wiring is disconnected by removing the plug from the control board just behind and off to the side of the fan module.

Replace with a new fan module, by connecting the plug of the new fan module to the control board (alignment tabs face the aluminum core of the light). Ensure the plug is fully seated and the wiring stays clear of the fan module. Then place the top ears of the fan module into the housing and clip the two tabs on the bottom into place by pushing down. Please remember to reconnect the XLR and switch the unit on.



Communications module (optional)

In order to control the Astra 1x1 remotely, Litepanels offers various, optional communications modules. Different modules allow for different methods and protocols of communication.

Please turn the unit off, then remove the module well cover by pushing the two tabs to the top left and right in towards the center and pull the module well cover down in an angular downward motion. Then insert the communications module by sliding it up into the well until the module locks. Please refer to the instruction sheet for the module for further instructions.

Faults

The Astra 1x1 fixture is programmed to display faults via the indicator LED next to the on/off switch. Optional communications modules also offer additional information regarding faults. Please refer to the table below:

Indicator LED Signal	Condition/Reason	Notes / Actions
Green Flashes during Powerup	Indications Software Revision	1 Green Flash = Rev A 2 Green Flashes = Rev B 3 Green Flashes = Rev C etc.
Red Flash Singles (1)	Warning: Input Power under Voltage	Light output remains ON; change power source immediately
Red Solid On	Fault: Input Power under Voltage	Light output turns OFF; Turn fixture off; change power source; Turn fixture on
Red Solid On	Fault: Input Power Over Voltage	Light output turns OFF; Turn fixture off; change power source; Turn fixture on
Red Flashes Doubles (2)	Temperature Warning	Light output remains ON; Check ventilation of fixture (fan & vent openings); reduce ambient temperature; dim fixture down to 0% and leave power on for fan
Red Flashes Quads (4)	Temperature Fault	Light output remains OFF; Dim fixture down to 0% and leave power on for fan; Check ventilation of fixture (fan & vent openings); reduce ambient temperature
Red Flashes Singles and Triples (1,3)	Fan Stopped	Light remains on; Power goes to 50% Check the fan for blockage and remove blockage; replace fan if necessary.
Red Flashes (any other pattern)	Unit requires Service	Please note the Flash pattern and contact service center or service partner via: http://www.litepanels.com/support

Please visit us online at
<http://www.litepanels.com>
and register your product