



Showco Mini LED Spot

www.carlosmendoza.com.mx

MAIN GUIDELINES

- Warning! This product is not for household use.
- Read this manual before powering or installing the fixture, follow the safety precautions listed below and observe all warnings in this manual and printed on the fixture. If you have questions about how to operate the fixture safely, please contact a Showco distributor for assistance. Refer any service operation not described in this manual to a qualified technician.
- Do not modify the fixture or install other than genuine Showco accessories and upgrade kits.
- Refer servicing to qualified personnel.
- Maximum ambient temperature $T_a = 40^\circ\text{C}$.
- Suitable for mounting on normally flammable surfaces.
- Do not look directly into the light.
- Risk of fire, electrical shock and burns.
- Use only in dry locations.
- For indoors use only.
- Do NOT block exhaust vents.
- If the external power cord of this luminaire is damaged, it shall be replaced by a special cord exclusively available from your Showco dealer.
- Warning always disconnect from mains power before replacing fuse or any part, and when not in use.
- Before operation ensure that factory setting of voltage and frequency match local power supply.
- Always ground (earth) the fixture electrically.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.
- Do not expose the fixture to rain or moisture
- Never operate the fixture with missing or damaged lenses and/or covers.
- Warning the exterior of the fixture can become hot. Allow to cool for at least 20 minutes before handling or opening.
- Minimum distance to flammable material = 1 m.
- Never attempt to bypass fuses. Always replace defective fuses with ones of the specified type and rating.
- Ensure that the air flow through vents is free and unobstructed.
- Provide a minimum clearance of 0.1 meters around air vents.
- Never place filters or other materials over the lens or in the optical path.
- The exterior of the fixture can become hot. Allow the fixture to cool for at least 20 minutes before handling
- Do not operate the fixture if the ambient temperature (T_a) exceeds 40°C .
- Do not stare directly into the light.

Before operation ensure that factory setting of voltage and frequency match local power supply.
Always ground (earth) the fixture electrically.
Use only a source of AC power that complies with local building and electrical codes and has both
overload and ground-fault protection.

If it is necessary to substitute power supply plug, connect it in accordance with the following code:

GREEN/YELLOW: Ground
BLUE: Neutral
BROWN: Live

WARNING: the luminaire must be earthed

Connect the mains power cable to the fixture at the 3-prong IEC male input socket at the rear of the
fixture.

OVERHEAD MOUNTING

- Mini LED Spot is designed to be hung overhead with a clamp (not included)
- Warning! Block access below the work area before proceeding.
- Always use a secure means of secondary attachment (safety rope).
- Verify that the structure can support at least 10 times the weight of all installed fixtures, clamps,
cables, auxiliary equipment, and other items.
- If hanging the fixture with a rigging clamp, verify that the clamp is undamaged and is designed for
the fixture's weight. Bolt the clamp securely to the mounting bracket on the fixture with a grade 8.8
(minimum) M10 bolt and lock nut, or as recommended by the clamp manufacturer, through the
clamp hole in the mounting bracket.
- If permanently installing the fixture, verify that the hardware (not included) and mounting surface
can bear at least 10 times the fixture's weight.
- Working from a stable platform, clamp or fasten the fixture to the structure.
- Install a safety cable that can hold at least 10 times the weight of the fixture through the safety cable
attachment point on the fixture.
- Loosen the swivel locks, tilt the fixture to the desired angle, and retighten.
- Verify that the fixture is at least 1 meter from any flammable surfaces.
- Verify that the clearance around the air vents is at least 0.1 meters.

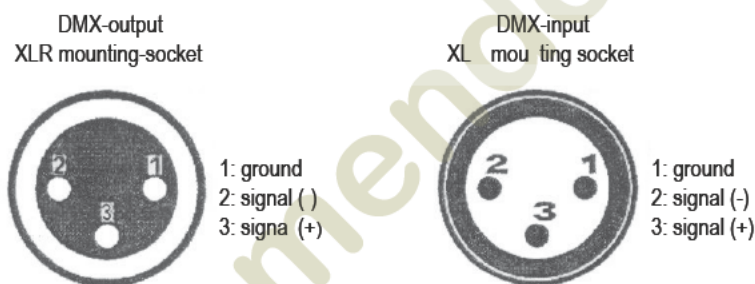
DMX-512 CONNECTION



The wires must not come into contact with each other, otherwise the fixtures will not work at all, or not will work properly.

Only use only a DMX cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

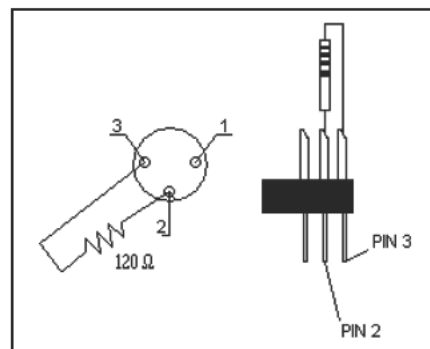
Occupation of XLR-connection:



If you are using controllers with this occupation you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

CAUTION:

For all installation, having long signal cables or in the presence of electrical noise, for example a discotheque, it is recommended practice to use a DMX terminator: this assist in preventing corruption of the digital control signal by external noise. The DMX terminator is simply an XLR connector with a 120Ω (Ohm) resistor connected across pins 2 and 3, which is then plugged into the DIGITAL THRU socket on the last projector in the chain. The connections are illustrated on the right.



OPERATION

After you connected the effect to the mains, the fixture starts running. During the reset, the motors are trimmed and the device is ready for use afterwards.

Each projector occupies 13 channels. To ensure that the control signals are properly directed to each projector, the projector requires addressing. This is to be done for every single projector by changing the DMX address on the display, after press ENTER.

Please make sure that you don't have any overlapping channels in order to control each projector correctly and independently from any other fixture on the DMX data link. If two, three or more projector is addressed similarly, they will work similarly.

After having addressed all projectors, you may now start operating these via your lighting controller.

NOTE:

After switching on, the projector will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, this situation can occur if:

- the 3 PIN XLR plug is not connected with the input of the projector
- the controller is switched off or defective
- the cable or connector is defective
- the signal wires are swap in the input connector

OPERATING INSTRUCTIONS

CONTROL PANEL

On the control panel you can set the DMX address, set the fixture to Master/Slave mode, reset the fixture and change fixture personality traits.

[Esc]:	select/exit operating mode
[Enter]:	select desired value
[Up]	next value
[Down]:	previous value

Control panel functions:

Function	Options	Notes
MStA	hrUn	Master slow run
MStS	SrUn	Master music mode run
MStc	crUn	Master fast run
SLAV	Son	Slave / music mode
PAn	rPAn	PAN reverse
tIL	rtIL	TILT reverse
dIS	rdIS	Display reverse
13Ch	5Ch	5/13 channels mode
PA54	PA36 – PA18	PAN 540° - 360° - 180° mode
TI27	TI18 – TI9	TILT 270° - 180° - 90° mode
rEst		Reset
LOAd		Load default settings

DMX CONTROL CHANNELS

Channel	Function
CH 1	Pan
CH 2	Pan fine
CH 3	Tilt
CH 4	Tilt fine
CH 5	Velocità Pa / Tilt
CH 6	Lamp ON/OFF
CH 7	Red
CH 8	Green
CH 9	Blue
CH 10	Macro
CH 11	Macro speed
CH 12	Music mode
CH 13	Gobo

Venta y servicio: (55) 56 72 85 69 - 50 25 91 94

BASIC SERVICE

Regular cleaning of the elements in the optical path, as well as the air vents, is vital to maintaining the operational quality of the Mini LED Spot.

Important! Excessive dust, smoke fluid, and particulate build-up degrades performance and causes overheating and damage to the fixture that is not covered by the warranty.

Cleaning the air vents:

To maintain adequate cooling, dust must be cleaned from the air vents periodically. Remove dust from the air vents with a soft brush, cotton swab, vacuum, or compressed air.

Cleaning optical components:

Clean the optical components regularly. The presence of smudges or dust on optical surfaces can reduce the strength of the light output and the quality of the effects.

Use care when cleaning optical components and work in a clean, well lit area. The coated surfaces are fragile and easily scratched. Do not use solvents that can damage plastic or painted surfaces.

- Disconnect the fixture from power and allow it to.
- Remove upper cover.
- Vacuum or gently blow away dust and loose particles with compressed air.
- Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water. Do not rub the surface: lift the particles off with a soft repeated press.
- Remove smoke, and other, residues with cotton swabs or unscented tissues moistened with isopropyl alcohol. A commercial glass cleaner may be used, but residues must be removed with distilled water. Clean with a slow circular motion from center to edge. Dry with a clean, soft and lint-free cloth or compressed air.
- Close the fixture cover and tighten the thumb screw taking care not to trap any loose wires.

TECHNICAL DATA

Mini LED Spot

Power supply: 230V 50Hz - 120V 60Hz

Consumption: 50 Watt

LED: 1 RGB full color 15W

Dimensions: LxWxH mm.177x177x250

Weight: 3.7 Kg.