



ImageSpot 300

ORDERCODE 40707



SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from Showtec.

The Showtec ImageSpot 300 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: iwant@showtec.info

You can get some of the best quality, best priced products on the market from Showtec.

So next time, turn to Showtec for more great lighting equipment.

Always get the best -- with Showtec !

Thank you!



Showtec ImageSpot 300™ Product Guide

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WARNING



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never run the device without lamp!
- Never ignite the lamp if the objective-lens or any housing-cover is open, as discharge lamps may expose and emit a high ultraviolet radiation, which may cause burns.
- Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never unscrew the screws of the rotating gobo, as the ball bearing will otherwise be opened.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the lamp's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot).
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.

- Avoid flames and do not put close to flammable liquids or gases.
- Always replace the lamp, when it is damaged or deformed due to the heat.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used, before cleaning or when replacing lamp! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If the lens is obviously damaged, it has to be replaced. So that its functions are not impaired, due to cracks or deep scratches.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. Light effect must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use lamps and fuses of same type and rating only.
- Allow time to cool down, before replacing lamp.
- This device is only allowed for an installation via the mounting bracket.
- The user is responsible for correct positioning and operating of the Image Spot. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



CAUTION ! EYEDAMAGES !.
Avoid looking directly into the light source.
(meant especially for epileptics) !



OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The minimum distance between light-output and the illuminated surface must be more than 0,5 meters.

The maximum ambient temperature $t_a = 45^\circ\text{C}$ must never be exceeded.

The relative humidity must not exceed 50 % with an ambient temperature of 45°C .

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

Always let the installation be carried out by an authorized dealer !

Procedure:


- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting-bracket, to the trussing system.
- The projector must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the projector, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

Cable	Pin	International
BROWN	FASE	L
BLUE	NUL	N
YELLOW/GREEN	EARTH	

Make sure that the device is always connected properly to the earth!

Description of the device

Features

The Showtec ImageSpot 300 is a promospot with high output and great effects.

- Die-cast and extruded aluminum finish
- Twin lens condenser, spherical reflector and external standard lens (1:2.4/100 mm)
- Two electrified guides carry a 24V supply and can accommodate a lens and housings for gobos and colors
- Different diameters gobos and filters are optional for static or motorized effects
- Micro switch cuts off electricity supply when cover is opened
- Thermal cut-out
- Lamp HTI 300
- 20000 Lumen

Overview



Fig. 1

Installation

Installing the Lamp

The Showtec ImageSpot 300 uses the HTI 300 (ordercode 80917) reflectorbulb as manufactured by all popular manufacturers. Use only the appropriate lamp for your unit.

Note that, product versions that use other lamps, may be offered in the future. Check your product specification label for information.

Always disconnect from electric mains power supply before changing lamps.

The lamp has to be replaced when it is damaged or deformed due to the heat.

Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for.

Damages caused by non-observance are not subject to warranty.

Procedure :

1. Disconnect the fixture from power and allow the lamp to cool. Loosen the 2 screws and remove the top cover.
2. Loosen the 2 thumb screws from the lamp socket.
3. Gently take the old lamp out. Read lamp instructions. This fixture is fitted with a metal halide lamp. Do not touch the lamp bulb glass. Oil on hands shortens the lamp life. (If you touch the bulb glass, wipe off the glass with a clean, lint-free towel and rubbing alcohol.).
4. Replace the new lamp and refit the 2 thumb screws.

- Put in the new lamp securely into the socket. Please note the protuberance of bulb shall be upward orientation to obtain equal intensity distribution (see figure2).

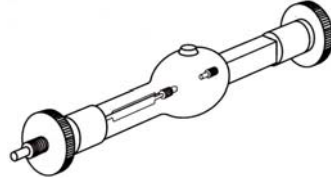


Fig. 2

- Fasten the 2 thumb screws and reassemble the device in reverse order.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Two low voltage electrified guides (24 V) with short-circuit protection are equipped with this fixture to accept the user's choice of lens unit and optional accessories for different effects and various combinations. The effects can be either static or motorized for stationary and moving images.

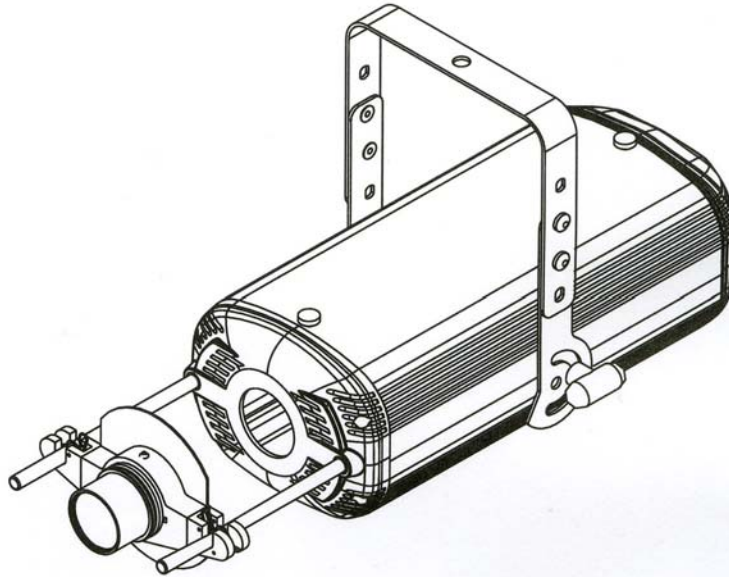


Fig. 3

Warning

Never disconnect or reconnect the power frequently during operation, this will shorten the lamp life. Wait at least 10 minutes to cool down the lamp completely before restarting this unit. (the warm lamp will cause the igniter holding the lamp in a glow state.)

Lens Focusing

- Hang the fixture in your final desired position.
- Loosen the thumb screw fitted in the lens support that hold the lens in place.
- Adjust the lens by turning it in a clockwise or counter-clockwise direction until you reach proper focus.
- Tighten the thumb screw after you achieve your desired focus.

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The Showtec ImageSpot 300 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The front PC lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly.

Please clean internal components once a year with a light brush and vacuum cleaner.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Changing the Lamp

1. Disconnect mains power supply and allow the lamp to cool. Loosen the 2 screws and remove the top cover.
2. Loosen the 2 thumb screws from the lamp socket.
3. Gently take the old lamp out. Follow directions for installing a new lamp, page 5.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.

Replacing a Gobo

1. Disconnect mains power supply and set the switch to OFF.
2. Make sure that the gobo you want to insert has the same size.
Gobo diameter (metal or glass) 65 mm
Maximum image diameter 36 mm

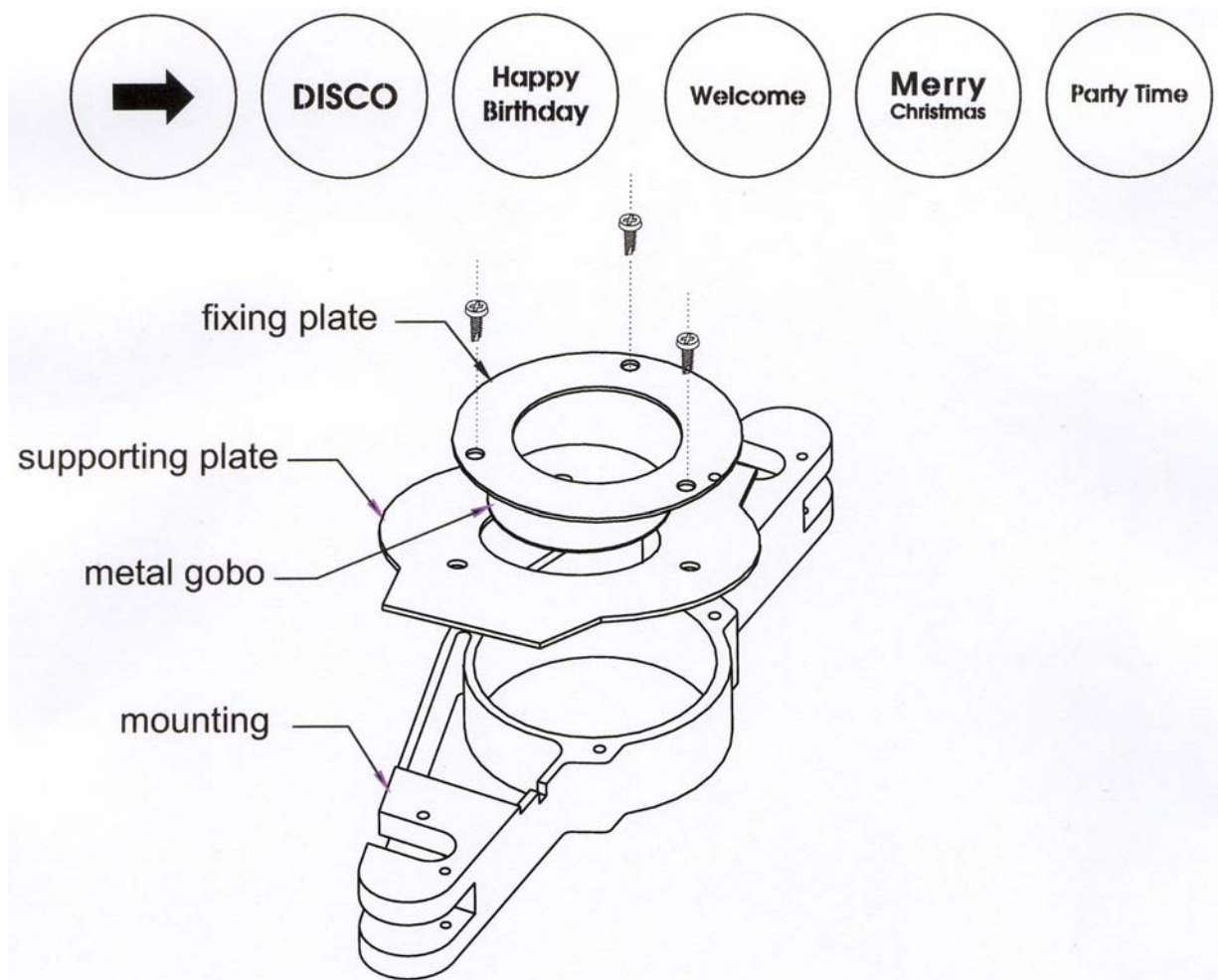


Fig. 4

Troubleshooting

No Light

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

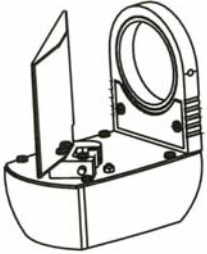
If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect three potential problem areas: the power supply, the lamp, the fuse.

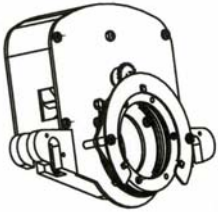
1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The lamp. Replace the old lamp with a new one with the same specifications. See page 5 for replacing lamps.
3. The fuse. Replace the fuse. See page 7 for replacing the fuse.

Accessories

The Image Spot 300 is designed for a wide variety of applications including exhibitions, retail environments, leisure, promotions and entertainment venues.



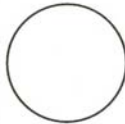
Model No.: ISP-1
Adjustable pivoting mirror
(Sold separately)



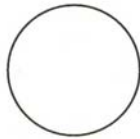
Model No.: ISP-2
Rotating/ Static gobo holder
(Sold separately)



Rotating gobo:
dichroic/photographic
(diam. 51.8 mm)



Rotating gobo: metal
(diam. 62 mm)



Static gobo: metal
(diam. 66 mm)

The ISP-2 can use a single rotating gobo or the combination of rotating gobo with static gobo for different effects. Thanks to the use of standard sized gobos, customers can also purchase gobos from other manufactures.

By using several accessories together, you can create more special effects. ISP-1 and ISP-2 are standard accessories for your options, compatible with variety of projectors by different companies. Upon your request, we can provide more accessories for more effects.

Product Specification

Model: Showtec ImageSpot 300

Voltage: 240V-50Hz (CE)

Power: 450W

Fuse: F6,3A / 250V 5x20mm

Lens: Standard 1 : 2,4 / 100mm

Dimensions: 555x240x262mm (LxWxH)

Weight: 8,6kg



Lamp

Allowed lamp models*:

Osram HTI 300 (750 hr; 6500K) ordercode 80917

Gobos

Gobo diameter (metal or glass) 65 mm

Maximum image diameter 36 mm

One fixed gobo holder + 6 metal gobos

Max. ambient temperature t_a : 40°C; Max. housing temperature t_b : 80°C

Extra's

ISP-1: ordercode 40708



ISP-2: ordercode 40709



Minimum distance:

Minimum distance from flammable surfaces: 0.5m

Minimum distance to lighted object: 1.3m

*: Versions for other lamps may be produced. Please check the specification label on your product.

Design and product specifications are subject to change without prior notice.





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