



**MANUAL**



**ENGLISH**

# **Outdoor Dome**

**Ordercode: 71300**

## Table of contents

---

<b>Warning</b> .....	2
Safety Instructions .....	2
Operating Determinations .....	4
Rigging .....	4
Return Procedure .....	5
Claims.....	5
<b>Description of the device</b> .....	6
Overview .....	7
Backside .....	7
<b>Installation</b> .....	8
<b>Set Up and Operation</b> .....	8
<b>Maintenance</b> .....	8
Replacing a Fuse .....	8
<b>Troubleshooting</b> .....	9
<b>Product Specification</b> .....	10

## Warning



**For your own safety, please read this user manual carefully  
before your initial start-up!**



## Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

## Your shipment includes:

- Showtec Outdoor Dome with 1,75m power cable
- User manual



**CAUTION!**  
**Do not hang this device nor hang it upside down !!**  
**Only place the Outer Dome on a horizontal and flat surface**



## Safety Instructions

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

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.**  
**With a dangerous voltage you can suffer**  
**a dangerous electric shock when touching the wires!**



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 lift the entire fixture by holding it at the plastic bag, as the bag may rupture.
- Never place any material over the fans.
- Never leave any cables lying around.
- 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 device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- 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 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 or before cleaning! 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 plastic bag is obviously damaged, it has to be replaced. So that its functions are not impaired.
- 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. Device must be installed out of the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Outdoor Dome. 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.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

## 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 maximum Lamp power for a moving head inside the dome is HMI/MSR 575. Do not use Moving heads which use a higher Wattage light bulb.
- Not suitable for discharge BEAM effects.
- The maximum ambient temperature  $t_a = 40^{\circ}\text{C}$  must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of  $40^{\circ}\text{C}$ .
- 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, 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 outdoor dome and the movinghead is lowered from the ceiling or high joists, professional trussing systems have to be used. The outdoor dome must always be placed on top of the trussing systems in an upright position. It may never be hanging upside down, because water will get into the entire system and the warranty will become void
- Use a clamp to mount the device, with the mounting-bracket, to the trussing system.
- 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 device, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

The Outdoor Dome may only be mounted in an upright position, using the support brackets. Mounting the Outdoor Dome with a clamp or any other mounting bracket is recommended, depending on the requirements of your application.

The Outdoor Dome can be placed on a flat stage floor or mounted upright to any kind of truss by a clamp.

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.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NULL
	YELLOW/GREEN	GREEN	GREEN	EARTH

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

**Improper installation can cause serious damage to people and property!**



### Return Procedure



Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail [offersales@highlite.nl](mailto:offersales@highlite.nl) and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

**Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:**

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

### Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

### Description of the device

---

#### Features

The Showtec Outdoor Dome is a LED parcan with high output and great effects.

- For floor use and truss use (do not use upside down or vertically !)
- Including two domes (120 cm and 150 cm)
- Black color
- Incl. air-pressure safety switch
- Incl. bracket for mounting moving heads
- Maximum Lamp power: HMI/MSR 575
- Not suitable for discharge BEAM effects
- Power supply 230V/50Hz
- Fuse F2A / 250V
- Dimensions: Ø620 x 220 mm (DxH)
- Weight: 23,72 kg

## Overview



Fig. 01

## Backside



Fig. 02

- 01) Fuse 2A / 250V
- 02) Earth connection
- 03) 3-pin power connector
- 04) Schuko connector 220-240V / 50Hz

### Installation

---

Remove all packing materials from the Outdoor Dome. Check that all foam and plastic padding is removed. Connect all cables.

**Do not supply power before the whole system is set up and connected properly.**

**Always disconnect from electric mains power supply before cleaning or servicing.**

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

### 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.

### Maintenance

---

The Showtec Outdoor Dome 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. Wipe the front glass panel clean with glass cleaner and a soft cloth. Do not use alcohol or solvents. The front panel will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Do not immerse in liquid.

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.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every year 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:

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

### 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.

- 01) Unplug the unit from electric power source.
- 02) Insert a screwdriver into the slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) 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.

## **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 Outdoor Dome does not operate properly, refer servicing to a technician.

Response: Suspect three potential problem areas as: the power supply, the cable to the device inside the dome, the fuse.

- 01) Power supply. Check that the unit is plugged into an appropriate power supply.
- 02) The cable to the device inside the dome. Check the cable or replace with a new one.
- 03) The fuse. Replace the fuse. See page 8 for replacing the fuse.
- 04) If all of the above appears to be O.K., plug the unit in again.
- 05) If you are unable to determine the cause of the problem, do not open the Aircraft, as this may damage the unit and the warranty will become void.
- 06) Return the device to your Showtec dealer.

## Product Specification

---

Model:	Showtec Outdoor Dome
Input Voltage:	230V/50Hz
Fuse:	F2A / 250V
Dimensions:	Ø620 x 220 mm (DxH)
Weight:	23,72 kg

---

### Electro-mechanical effects

- OUT For floor use and truss use (do not use upside down or vertically !)
  - Including two domes (120 cm and 150 cm).
  - Black color
  - Incl. air-pressure safety switch
  - Incl. bracket for mounting moving heads
  - Maximum Lamp power: HMI/MSR 575
  - Not suitable for discharge BEAM effects
- 

### Operating Temperature

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

---

### Minimum distance:

Minimum distance from flammable surfaces: 0.5m  
Minimum distance to lighted object: 1.3m

---

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



Website: [www.Showtec.info](http://www.Showtec.info)  
Email: [service@highlite.nl](mailto:service@highlite.nl)

## Dimensions

---

