



## DIALighting Profile Light 19/26/36/50°



# USER MANUAL

# PROFILE

# LIGHT 575/750

## TECHNICAL SPECIFICATIONS

Power supply: 230 V AC, 50 Hz ~

Power consumption: 590 W/800W

Dimensions (LxWxH): 650 x 180 x 260 mm

Weight: 6 kg

Fitting lamp: HPL575W /HPL750W

Maximum ambient temperature  $t_a$ : 45° C

Maximum housing temperature  $t_B$  (steady state): 245° C

For your own safety, please read this user manual carefully before you initially start-up.

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

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- include every supplementay update with the original manual

## INTRODUCTION

Thank you for having chosen a PROFILE SPOT575/750 Profile Spot.

Unpack your spot.

Before you initially 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.

## SAFETY INSTRUCTIONS

### CAUTION!

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

This device has left our premises in absolutely perfect condition. In order to maintain this 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 user manual.

### Important:

*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

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.

This device falls under protection-class I. The power plug must only be plugged into a protection class I outlet.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!

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 by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

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.

**Caution:** During the operation, the housing becomes very hot.

Do not switch the device on and off in short intervals as this would reduce the lamp.s life.

### **HEALTH HAZARD!**

**Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics)!**

Keep away children and amateurs!

## **OPERATING DETERMINATIONS**

This device is a spot designed for professional use on stages, in discotheques, theatres etc. This fixture is only allowed to be operated with an alternating current of max. 230 V/50-60 Hz and was designed for indoor use only.

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

Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

The minimum distance between light-output and the illuminated surface must be more than 2 meters.

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety-rope.

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

Operate the device only after having become familiar with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

Please use the original packaging if the device is to be transported.

Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

If this device will be operated in any way different to the one described in this manual, the product may

suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

## INSTALLATION

### *Installing/Replacing the lamp*

#### **DANGER TO LIFE!**

**Only install the lamp with the device switched off!**

**Unplug from mains before!**

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

#### **CAUTION!**

**Before replacing the lamp, unplug mains lead and let the lamp cool down (approx. 5 minutes).**

During the installation do not touch the glass-bulbs bare-handed! Please follow the lamp manufacturer's notes!

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.

During the operation, the lamp reaches temperatures of up to 800° C.

For the installation, you need a 240V/575W GX-9.5 lamp.

#### **Procedure:**

**Step 1:** Unscrew the knurled screw of the lamp housing.

**Step 2:** Remove the lamp housing from the device.

**Step 3:** If replacing the lamp, remove the old lamp from the socket.

**Step 4:** If the lamp base is the same as shown in **figure 1**, then insert the 240V/575W GX-9.5 lamp into the lamp-socket.

**Step 5:** If the lamp base is the same as shown in **figure 2**, then first remove the retention box before inserting the new lamp. Save the retention box for future use.

**Step 5:** Replace the lamp housing onto the device and tighten the screw.

**Do not operate this device with opened lamp housing!**

### ***Lamp adjustment***

The lampholder is aligned at the factory. Due to differences between lamps, fine adjustment may improve light performance.

Strike the lamp, open the shutter and the iris, set the dimmer intensity onto 100 % and focus the light on a flat surface (wall). Center the hot-spot (the brightest part of the beam) using the 3 adjustment screws "A, B, C.. Turn one screw at a time to drag the hot-spot diagonally across the projected image. If you cannot detect a hot-spot, adjust the lamp until the light is even.

To reduce a hot-spot, pull the lamp in by turning all three screws "A, B, C. clockwise ¼-turn at a time until the light is evenly distributed. If the light is brighter around the edge than it is in the center,

or if light output is low, the lamp is too far back in the reflector. "Push. the lamp out by turning the screws "A, B, C. counterclockwise ¼-turn at a time the light is bright and evenly distributed.

### ***Focusing***

**Step 1:** Loosen the focus button on the underside of the device.

**Step 2:** Adjust the focus by sliding the lenshousing forward or backward.

**Step 3:** Tighten the focus button.

### ***Overhead rigging***

#### **DANGER TO LIFE!**

**Please consider the EN 60598-2-17 and the respective national norms during the installation! The installation must only be carried out by an authorized dealer!**

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.

When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

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

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

#### **Procedure:**

The projector should be installed outside areas where persons may walk by or be seated.

**IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE**, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

The projector has to be installed out of the reach of people.

If the projector shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The projector must never be fixed swinging freely in the room.

**Caution:** Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the projector!

Before rigging make sure that the installation area can hold a minimum point load of 10 times the projector's weight.

#### **DANGER OF FIRE!**

**When installing the device, make sure there is no highly-inflammable material (decoration articles, etc.) within a distance of min. 0.5 m.**

Mount the projector with the mounting-bracket to your trussing system using an appropriate clamp. The hole in the mounting bracket has a diameter of 10 mm.

For overhead use, always install a safety-rope that can hold at least 12 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Pull the safety-rope through the hole in

the mounting-bracket and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw.

The maximum drop distance must never exceed 20 cm.

A safety rope which already hold the strain of a crash or which is defective must not be used again. Adjust the desired inclination-angle via the mounting-bracket and tighten the fixation screws.


### **Connection with the mains**

#### **DANGER TO LIFE!**

**The electric connection must only be carried out by a qualified electrician!**

In order to connect the device to the mains, you have to install a power-plug.

**The occupation of the connection-cables is as follows:**

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

The earth has to be connected!

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

If the device will be directly connected with the local power supply network, a disconnection switch with a minimum opening of 3 mm at every pole has to be included in the permanent electrical installation.

Lighting effects must not be connected to dimming-packs.

## **OPERATION**

After you connected the effect to the mains, the PROFILE SPOT575/750/750 Profile Spot starts running.

## **CLEANING AND MAINTENANCE**

The operator has to make sure that safety-relating and machine-technical installations are 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 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 devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on housings, fixations and installation spots (ceiling, suspension, trussing).
- 3) The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

#### **DANGER TO LIFE!**

**Disconnect from mains before starting maintenance operation!**

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents!

**CAUTION!**

**The lens has to be replaced when it is obviously damaged, so that its function is impaired, e. g. due to cracks or deep scratches!**

The objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The venting slots should be cleaned monthly.

The interior of the device should be cleaned at least annually using a vacuum-cleaner or an air-jet. There are no serviceable parts inside the device except for the lamp. Maintenance and service operations are only to be carried out by authorized dealers.

Please refer to the instructions under "Installing/Replacing the lamps".

Should you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

Should you have further questions, please contact your dealer.