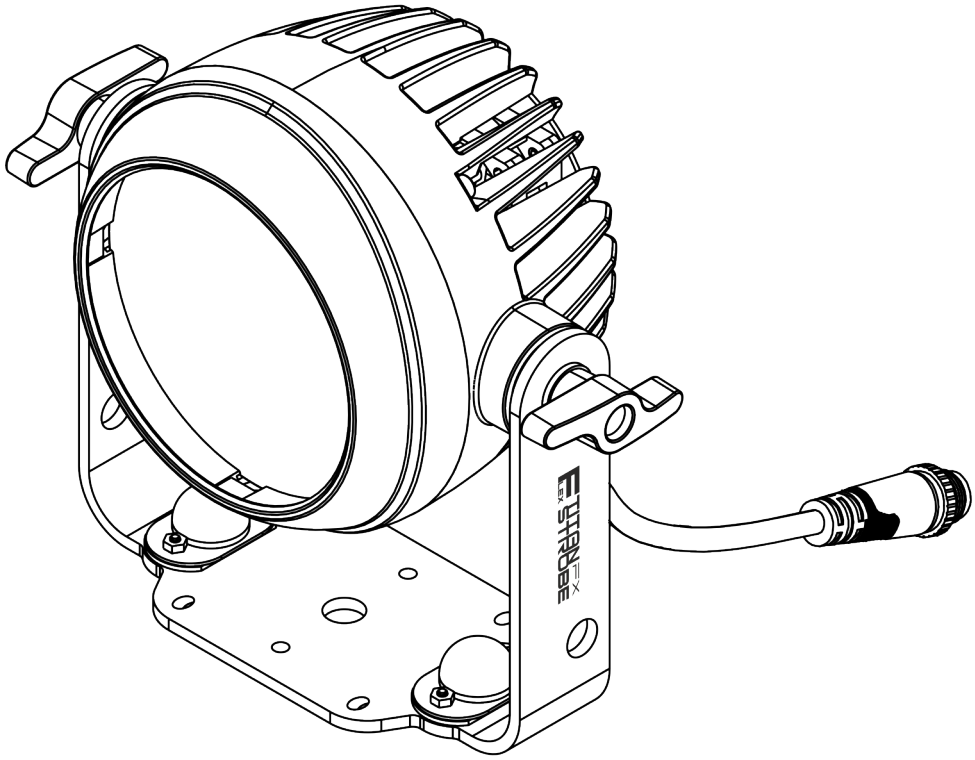
USER MANUAL

ENGLISH

V1.0



Single Pod for Titan Strobe FLEX FX

Product code: 40307

Preface

Thank you for purchasing this Showtec product.

The purpose of this user manual is to provide instructions for the correct and safe use of this product.

Keep the user manual for future reference as it is an integral part of the product. The user manual shall be stored at an easily accessible location.

This user manual contains information concerning:

- Safety instructions
- Intended and non-intended use of the device
- Installation and operation of the device
- Maintenance procedures
- Troubleshooting
- Transport, storage and disposal of the device

Non-observance of the instructions in this user manual may result in serious injuries and damage of property.

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Highlite International B.V. – Vestastraat 2 – 6468 EX Kerkrade – the Netherlands

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1. Introduction

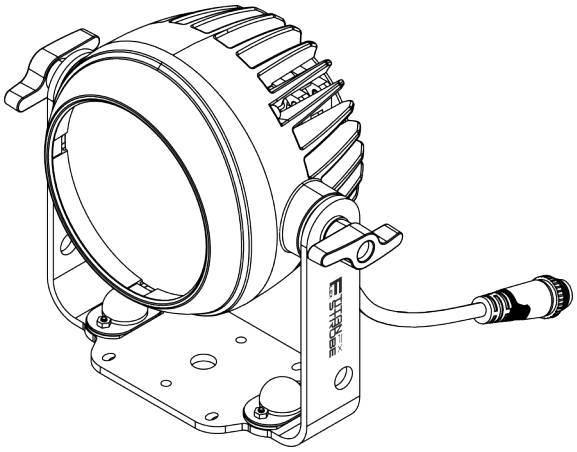
1.1. Before Using the Product

Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

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

After unpacking, check the contents of the box. If any parts are missing or damaged, contact your Highlite International dealer.

Figure 1



Your shipment includes:

- Showtec Single Pod for Titan Strobe FLEX FX with a fixed cable (0,3 m)
- User manual

1.2. Intended Use

This device is intended for professional use as a stage strobe light. It can be installed indoors and outdoors. This device is not suitable for households and for general lighting.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

1.3. LEDs Lifespan

The light output of the LEDs gradually decreases over time (lumen depreciation). High operating temperatures contribute to this process. You can extend the lifespan of the LEDs by providing adequate ventilation and operating the LEDs at the lowest possible brightness.

1.4. Product Lifespan

This device is not designed for permanent operation.

Disconnect the device from the electrical power supply when the device is not in operation. This will reduce the wear and will improve the lifespan of the device.

1.5. Text Conventions

Throughout the user manual the following text conventions are used:

- References: References to parts of the device are in bold lettering, for example: "turn the **adjustment handle (05)**". References to chapters are hyperlinked
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.6. Symbols and Signal Words

Safety notes and warnings are indicated throughout the user manual by safety signs.

Always follow the instructions provided in this user manual.



DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.



Attention Indicates important information for the correct operation and use of the product.



Important Read and observe the instructions in this document.



Electrical hazard



Thermal hazard



Provides important information about the disposal of this product.

1.7. Symbols on the Information Label

This product is provided with an information label. The information label is located on the mounting bracket of the device.

The information label contains the following symbols:



This device shall not be treated as household waste.



Read and follow the instructions in the user manual before installing, operating or servicing the device.



This device falls under IEC protection class I.

IP65 This devices is rated IP65.



The surface and the inner parts of the device can become very hot during operation. Do not touch the pods during operation.

2. Safety



Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

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

2.1. Warnings and Safety Instructions



DANGER
Danger for children

For adult use only. The device must be installed beyond the reach of children.

- Do not leave any parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within the reach of children. Packaging material is a potential source of danger for children.



DANGER
Electric shock caused by dangerous voltage inside

There are areas inside the device where dangerous touch voltage may be present.

- Do not open the device or remove any covers.
- Do not operate the device if the covers or the housing are open. Before operation, check if the housing is firmly closed and all screws are tightly fastened.
- Disconnect the device from the electrical power supply before service and maintenance, and when the device is not in use.



DANGER
Electric shock caused by short-circuit

This device falls under IEC protection Class I.

- Make sure that the device is electrically connected to ground (earth). Connect the device only to a socket-outlet with a ground (earth) connection.
- Do not cover the ground (earth) connection.
- Do not let the power cable come into contact with other cables. Handle the power cable and all connections with the mains with caution.
- Do not modify, bend, mechanically strain, put pressure on, pull or heat up the power cable.
- Make sure that the power cable is not crimped or damaged. Examine the power cable periodically for any defects.
- Do not immerse the device in water or other liquids. Do not install the device in a location where flooding may occur.
- Do not use the device during thunderstorms. Disconnect the device from the electrical power supply immediately.



WARNING
Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.



WARNING
Risk of burns due to hot surface

The surface and the inner parts of the device can become very hot during operation.

- Do not touch the device during operation.
- Allow the device to cool down for at least 15 minutes before handling.



Attention
Power supply

- Before connecting the device to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device.
- Make sure that the cross-sectional area of the extension cords and power cables is sufficient for the required power consumption of the device.



Attention
General safety

- Do not connect the device to a dimmer pack.
- Do not switch the device on and off in short intervals. This reduces the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Change the lens or the LEDs if they are visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches. Contact your Highlite International dealer for more information, as servicing can be performed only by instructed or skilled persons.
- If the device is dropped or struck, disconnect the device from the electrical power supply immediately.
- If the device is exposed to extreme temperature variations (e.g. after transportation), do not switch it on immediately. Let the device reach room temperature before switching it on, otherwise it may be damaged by the formed condensation.
- If the device fails to work properly, discontinue use immediately.



Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- The safety devices are not damaged.
- There are no deformations on housings, fixings and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.



Attention
For professional use only
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a stage strobe light. Any incorrect use may lead to hazardous situations and result in injuries and material damage.

- This device is not suitable for households and for general lighting.
- This device is not designed for permanent operation.
- This device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.



Attention
Do not expose the device to conditions that exceed the rated IP class conditions.

This device is IP65 rated. IP (Ingress Protection) 65 class means that the device is dust-tight and protected against harmful effect of water jets.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance may be carried out by ordinary persons. Installation and service shall be carried out only by instructed or skilled persons. Contact your Highlite International dealer for more information.

Instructed persons have been instructed and trained by a skilled person, or are supervised by a skilled person, for specific tasks and work activities associated with the installation, service and maintenance of this product, so that they can identify risks and take precautions to avoid them.

Skilled persons have training or experience, which enables them to recognize risks and avoid hazards associated with the installation, service and maintenance of this product.

Ordinary persons are all persons other than instructed persons and skilled persons. Ordinary persons include not only users of the product but also any other persons that may have access to the device or who may be in the vicinity of the device.

2.3. Personal Protective Equipment

During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

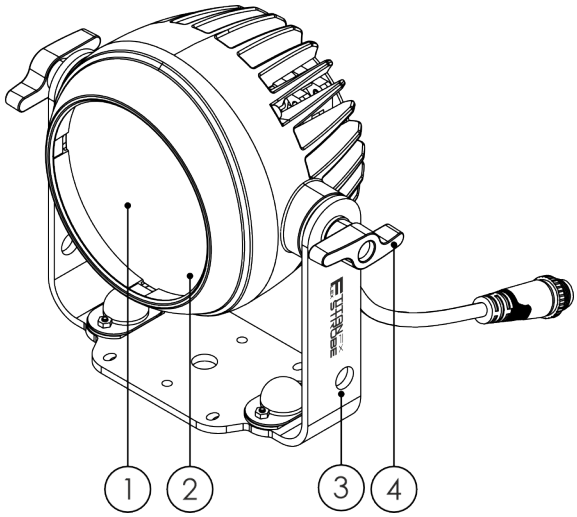
3. Description of the Device

The Showtec Single Pod for Titan Strobe FLEX FX is a 100 W LED strobe that uses a cold white COB LED. It has a ring of 12 2 W RGBW LEDs that can be controlled individually to create background effects. The aluminum housing is IP65-rated and has a special mounting bracket with 4 holes at a 45-degree angle, so that you do not have to detach the pod from the bracket to drill through the holes to mount it with screws.

The Showtec Single Pod for Titan Strobe FLEX FX is not a standalone device (see 3.5. Compatibility) and needs to be controlled by the Showtec Titan Strobe FLEX FX Controller (40306).

3.1. Front View

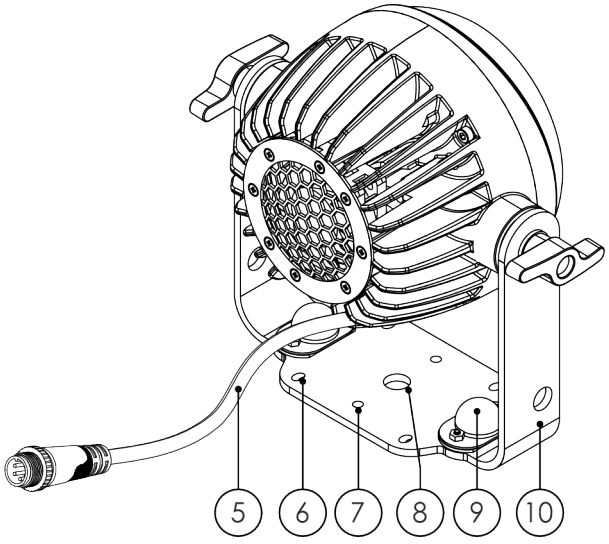
Figure 2



01) Strobe LED (1 x 100 W CW COB LED)
02) Ring LEDs (12 x 2 W RGBW LEDs)
03) Safety eye
04) 2x Adjustment screws

3.2. Back View

Figure 3



05) Fixed cable (0,3 m) with connector IN (data and power)
06) 4x Mounting holes at 45°, Ø 5 mm
07) 2x Mounting holes, Ø 5 mm
08) Mounting hole, Ø 12,5 mm
09) 2x Mounting holes for quick-lock brackets
10) Mounting bracket

3.3. Product Specifications

Model:	Single Pod for Titan Strobe FLEX FX

Source:	
Light source type	LED
Light source power	100 W
LED color type	CW / RGBW

Optical:	
Beam angle (circular)	53°

Dynamic Effects:	
Dimmer	0–100 %
Strobe	0–20 Hz

Electrical Specifications and Connections:	
Power supply	100–240 V AC 50/60 Hz
Power consumption	100 W
Power connector IN	Dedicated Power and Data connector IN, 6P

Mechanical Specifications:	
Height	195 mm
Width	221 mm
Depth	115 mm
Weight	1,61 kg
IP rating	IP65
Housing	Aluminum
Color	Black

Product Properties:	
Cooling	Forced Convection

Rigging:	
Mounting options	Clamp / Quick-Lock
Safety attachment	Yes

Thermal Specifications:	
Maximum ambient temperature	40 °C
Maximum surface temperature	62 °C
Minimum ambient temperature	-5 °C

3.4. Optional Accessories

You can additionally purchase the following accessories:

- 30788 FLEX Cable – 2,5 m
- 30794 FLEX Cable – 5 m
- 30789 FLEX Cable – 10 m

Contact your Highlite International dealer for more information.

3.5. Compatibility

Attention
Product compatibility

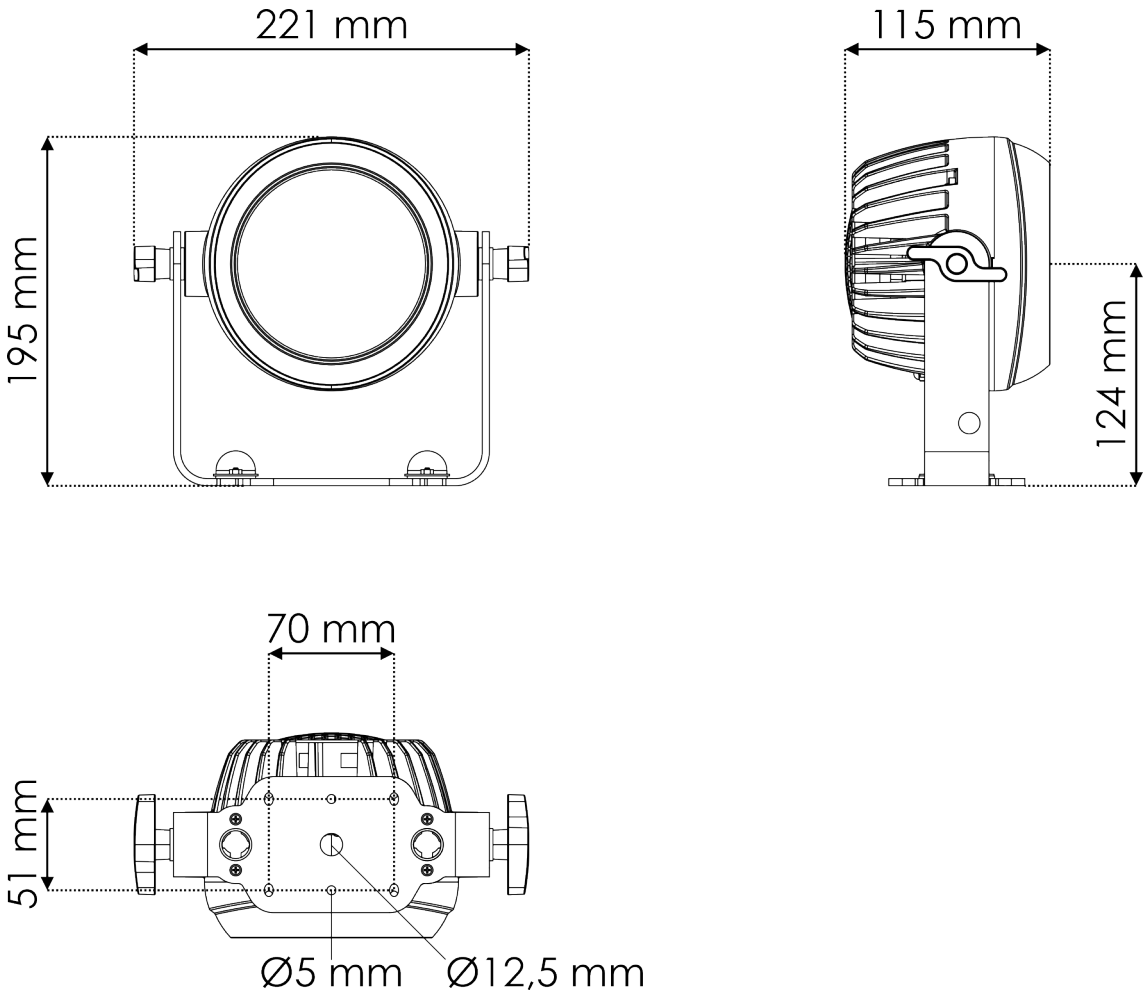
The Showtec Single Pod for Titan Strobe FLEX FX is designed to be operated only with the Showtec Controller for Titan Strobe FLEX FX. The Controller for Titan Strobe FLEX FX is not supplied with the Single Pod for Titan Strobe FLEX FX.

You need to purchase the Controller for Titan Strobe FLEX FX separately. Contact your Highlite International dealer for more information.

Product code: 40306 (Controller for Titan Strobe FLEX FX)

3.6. Dimensions

Figure 4



4. Installation

4.1. Safety Instructions for Installation



WARNING
Incorrect installation can cause serious injuries and damage of property.

If trussing systems are used, installation must be carried out only by instructed or skilled persons.

Follow all applicable European, national and local safety regulations concerning rigging and trussing.

4.2. Personal Protective Equipment

During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

4.3. Installation Site Requirements

- The device can be used indoors and outdoors.
- The device must be installed away from heating sources and direct sunlight.
- The ambient temperature must be in the range -5 and 40 °C.

4.4. Rigging

CAUTION
Restrict the access under the work area during rigging/derigging.

You can position the pod on a flat surface or mount it to a rigging structure (see 4.4.1. Installation with a Clamp) or to a flat surface (see 4.4.2. Installation on a Flat Surface) in any orientation.

Make sure that all loads are within the pre-determined limits of the supporting structure.

4.4.1. Installation with a Clamp

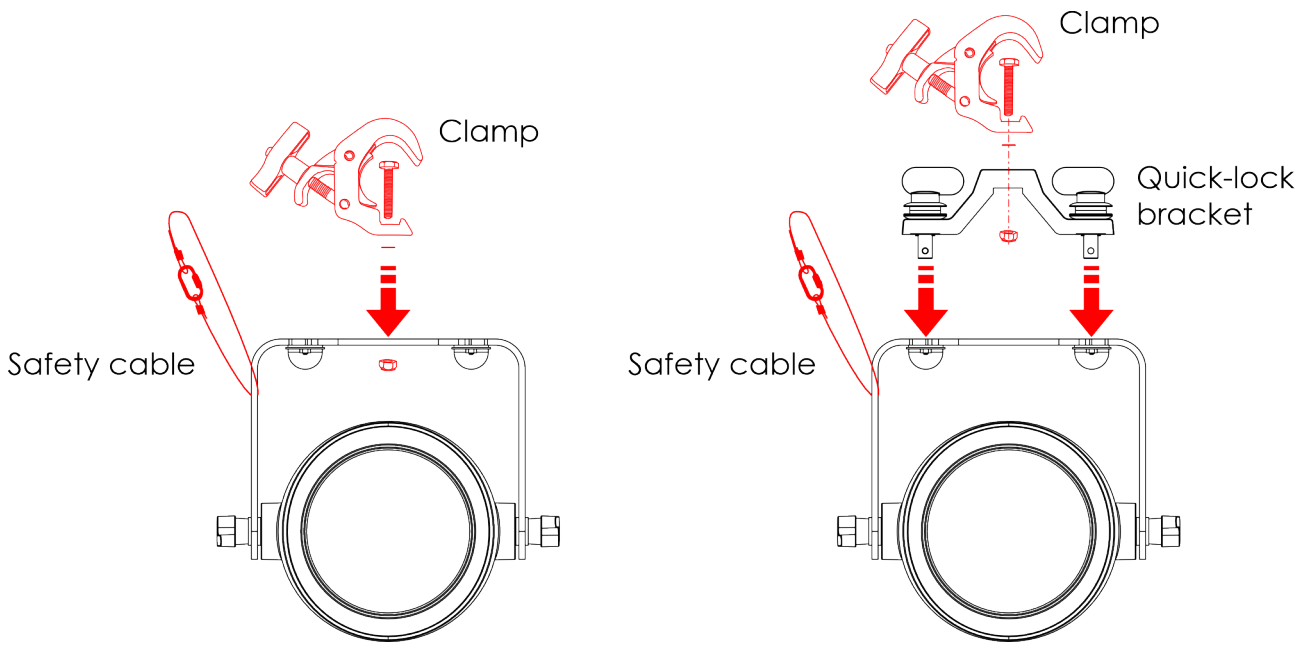
You can mount the pod to a rigging structure in 2 ways:

- With a quick-lock bracket and a clamp, using the 2 **mounting holes for a quick-lock bracket (09)**
- With a clamp, using the **mounting hole, Ø 12,5 mm (08)**

To mount the pod to a rigging structure:

01) Fasten the quick-lock bracket on the **mounting holes for a quick-lock bracket (09)**. Do not do step 1 if you install the device without a quick-lock bracket.
02) Attach the clamp to the quick-lock bracket or to the **mounting hole, Ø 12,5 mm (08)**. Make sure that you use a clamp suitable for attaching the pod to a truss.
03) Attach the pod to the supporting structure. Make sure that the pod cannot move freely.
04) Turn the 2 **adjustment screws (04)** counterclockwise to loosen them.
05) Tilt the pod to adjust the angle.
06) Turn the 2 **adjustment screws (04)** clockwise to tighten them. Make sure that the pod cannot move freely after the 2 **adjustment screws (04)** are tightened.
07) Secure the pod with a secondary suspension, for example a safety cable. Make sure that the secondary suspension can hold 10 times the weight of the pod. If possible, the secondary suspension should be attached to a supporting structure independent of the primary suspension. Put the safety cable through the **safety eye (03)**.

Figure 5



4.4.2. Installation on a Flat Surface

You can mount the pod on a flat surface in 2 ways:

- With 4 screws, using the 4 **mounting holes at 45°, Ø 5 mm (06)**
- With 2 screws, using the 2 **mounting holes, Ø 5 mm (07)**

You need the following:

- a drill
- a drill bit (for wood or concrete), 6–7 mm long
- 2 or 4 anchors (if applicable)
- 2 or 4 screws

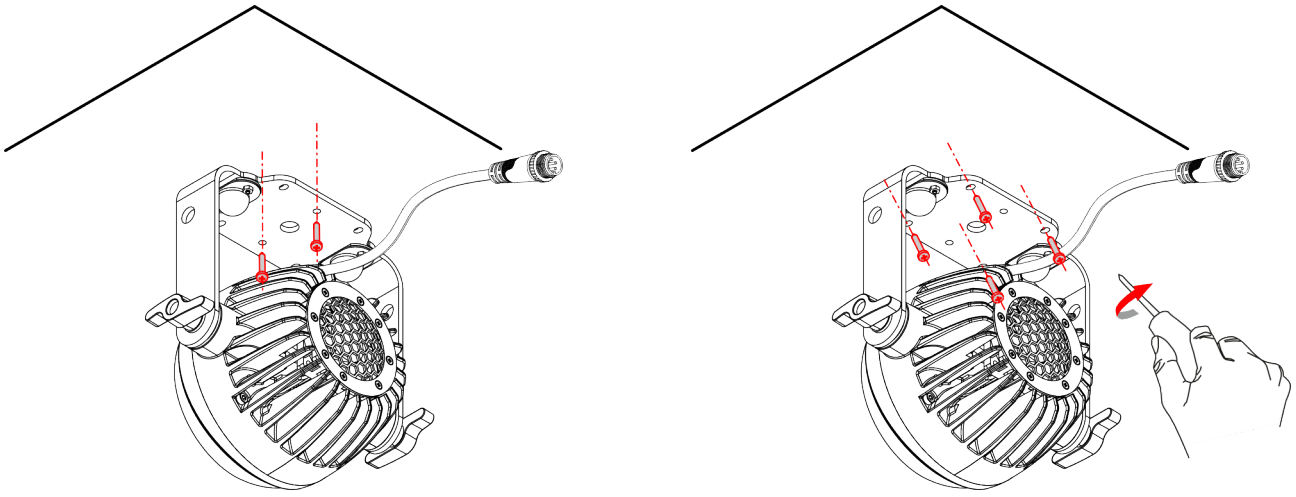
Notes:

- Make sure that the drilling location for the mounting holes is free of obstructions such as pipes, ducts, or wires.
- Do not drill into mortar joints. Screws installed in mortar joints cannot safely support the weight of the device.

To mount the pod on a flat surface follow the steps below:

01) Turn the 2 **adjustment screws (04)** counterclockwise to loosen them.
02) Remove the 2 **adjustment screws (04)** and the **mounting bracket (10)**.
03) Hold the **mounting bracket (10)** against the flat surface and mark the position of the 2 **mounting holes, Ø 5 mm (07)** on the flat surface.
04) Do not do steps 1–3 if you are installing the pod using the 4 **mounting holes at 45°, Ø 5 mm (06)**.
05) Drill holes at the 2 marked locations or directly through the 4 **mounting holes at 45°, Ø 5 mm (06)**.
06) Insert anchors into the drilled holes, if applicable.
07) Hold the **mounting bracket (10)** at the mounting location.
08) Insert and tighten the screws into the drilled holes to fasten the **mounting bracket (10)** to the flat surface.
09) Continue to step 12 if you use the 4 **mounting holes at 45°, Ø 5 mm (06)** to install the pod.
10) Insert the 2 **adjustment screws (04)** through the **mounting bracket (10)** on both sides of the device.
11) Turn the 2 **adjustment screws (04)** clockwise to tighten them slightly.
12) Turn the 2 **adjustment screws (04)** counterclockwise to loosen them. Do not do this step if you use the 2 **mounting holes, Ø 5 mm (07)** to install the pod.
13) Adjust the angle of the pod as necessary.
14) Turn the 2 **adjustment screws (04)** clockwise to tighten them completely. Do not overtighten them. Make sure that the device cannot move freely after the **adjustment screws (04)** are tightened.

Figure 6



5. Setup and Operation

5.1. Warnings and Precautions

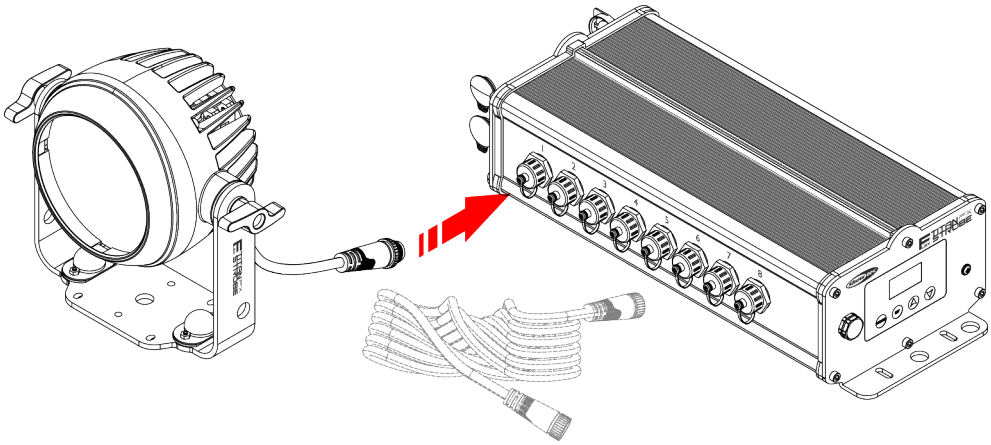
Attention
Connect all data cables before supplying power.
Disconnect power supply before connecting or disconnecting data cables.

5.2. Connecting the Pod to the Controller

To connect the pod to the controller:

Connect the **fixed cable with connector IN (05)** of the pod to one of the pod connectors OUT on the controller. To extend the length, you can use one of the extension cables available for purchase (see 3.4. Optional Accessories on page 9). Contact your Highlite International dealer for more information.

Figure 7



5.3. Connecting to Power Supply

The device has a dedicated connector IN for data and power with a fixed cable (0,3 m). The pod is connected to power supply when the Controller for Titan Strobe FLEX FX (40306) is connected to the mains.

Refer to the user manual of the Controller for Titan Strobe FLEX FX (40306) for more information.

To connect the pod to power supply:

01) Connect the pod to the controller (see 5.2. Connecting the Pod to the Controller on page 14).
02) Connect the controller to the socket-outlet.

5.4. Operation

Attention
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a stage strobe light. It can be installed indoors and outdoors. This device is not suitable for households and for general lighting.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

The Showtec Single Pod for Titan Strobe FLEX FX is designed to be operated only with the Showtec Controller for Titan Strobe FLEX FX (see 3.5. Compatibility on page 10).

Refer to the user manual of the Controller for Titan Strobe FLEX FX (40306) for more information.

6. Troubleshooting

This troubleshooting guide contains solutions to problems which can be carried out by an ordinary person. The device does not contain user-serviceable parts.

Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

Refer servicing to instructed or skilled persons. Contact your Highlite International dealer in case the solution is not described in the table.

Problem	Probable cause(s)	Solution
The device does not function at all	No power to the device	• Make sure that the device is connected to the power supply and the cables are plugged in
	The internal fuse is blown	• Disconnect the device and contact your Highlite International dealer
No light or LEDs cut out intermittently	LEDs are damaged	• Disconnect the device and contact your Highlite International dealer
	The input power parameters of the device do not match local AC voltage and frequency	• Disconnect the device. Make sure that the local current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device

7. Maintenance

7.1. Safety Instructions for Maintenance



DANGER
Electric shock caused by dangerous voltage inside

Disconnect power supply before servicing or cleaning.

7.2. Preventive Maintenance



Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- The safety devices are not damaged.
- There are no deformations on housings, fixings and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.

7.2.1. Basic Cleaning Instructions

The external lens of the device must be cleaned periodically in order to optimize the light output. The cleaning schedule depends on the conditions at the site where the device is installed. When smoke or fog machines are used at the site, the device will need more frequent cleaning. On the other hand, if the device is installed in well-ventilated area, it will need less frequent cleaning. To establish a cleaning schedule, examine the device at regular intervals during the first 100 hours of operation.

To clean the device, follow the steps below:

01) Disconnect the device from the electrical power supply.
02) Allow the device to cool down for at least 15 minutes.
03) Remove the dust collected on the external surface with dry compressed air and a soft brush.
04) Clean the lens with a damp cloth. Use a mild detergent solution.
05) Dry the lens carefully with a lint-free cloth.
06) Clean the DMX and other connections with a damp cloth.



Attention

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.
- Make sure that the connections are fully dry before connecting the device to the power supply and to other devices.

7.3. Corrective Maintenance

The device does not contain user-serviceable parts. Do not open the device and do not modify the device.

Refer repairs and servicing to instructed or skilled persons. Contact your Highlite International dealer for more information.

8. Deinstallation, Transportation and Storage

8.1. Instructions for Deinstallation

WARNING
Incorrect deinstallation can cause serious injuries and damage of property.

- Let the device cool down before dismounting.
- Disconnect power supply before deinstallation.
- Always observe the national and site-specific regulations during deinstallation and derigging of the device.
- Wear personal protective equipment in compliance with the national and site-specific regulations.

8.2. Instructions for Transportation

- Use the original packaging to transport the device, if possible.
- Always observe the handling instructions printed on the outer carton box, for example: "Handle with care", "This side up", "Fragile".

8.3. Storage

- Clean the device before storing (see 7.2. Preventive Maintenance on page 16).
- Store the device in the original packaging, if possible.

9. Disposal



Correct disposal of this product

Waste Electrical and Electronic Equipment

This symbol on the product, its packaging or documents indicates that the product shall not be treated as household waste. Dispose of this product by handing it to the respective collection point for recycling of electrical and electronic equipment. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. For more detailed information about recycling of this product contact the local authorities or the authorized dealer.

10. Approval

Check the respective product page on the website of Highlite International (www.highlite.com) for an available declaration of conformity.