StarEye Profile

Gobo projector

Low power 10W

Ordercode: 10666

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1 Picture

1.1 *General*

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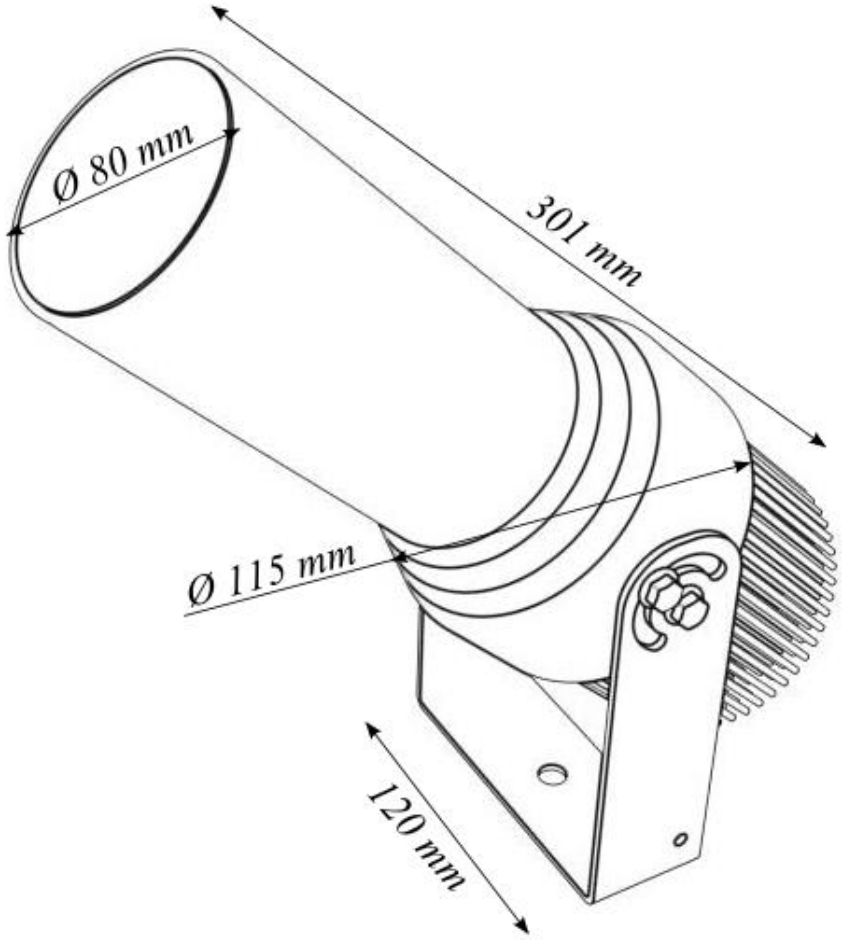
2 Dimensions



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3 Safety information

Before installing, powering up, or servicing the StarEye Profile LED-unit, it is highly recommended that you read this manual and ensure yourself that you completely understand its content. Observe the safety precautions in this manual. Install and operate the LED-unit only as described in this manual, and in conformity with local regulations. If you have any questions how to operate this product safely, please contact your point of sale.

3.1 Symbols

Following symbols are used to identify important safety information on the product and in this manual.

DANGER! Safety hazard. Risk of severe injury or death.

Warning! Hazardous voltage. Risk of lethal or severe electric shock.

Warning! LED light emission. Risk of eye injury.

Warning! Burn hazard. Hot surface. Do not touch

Warning! Refer to user manual.

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3.2 Protection from electric shock

Although this device itself does not operate with dangerous voltages, the installation in which is intended to be used, can contain dangerous voltages.

Shut down the power of the complete installation before carrying out any installation, or maintenance work.

Use only AC to DC power sources, suitable for the application, and conform to local regulations. Please ensure yourself that the AC to DC power supply can deliver the rated current requirements of the installation.

If any cable, seal or housing is damaged, cracked, or reformed, disconnect the power of the installation immediately.

For any additional servicing, not described in this manual, please contact your point of sale.

3.3 Protections from fire and burns

Do not operate this LED-unit if ambient temperatures, is above 45 °C (113 °F). Please ensure yourself that sufficient ventilation around the LED-unit is possible.

It might be necessary to allow the LED-unit to cool down for 5 minutes, before servicing.

Do not modify the LED fixture, in a way, not described in this manual.

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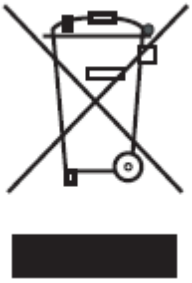
3.4 Protection from injury

Ensure yourself that the LED-unit and all its accessories are securely fastened. Verify that the LED-unit is firmly fixed to its supporting underground.

3.5 Disposing of this product



This LED-lighting device is manufactured in compliance with directive of the European community: waste electrical and electronically equipment. Please help to preserve our environment, and ensure that this product will be recycled properly at the end of its life.

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4 Physical installation

Thank you for selecting this StarEye Profile LED-unit as best solution in your setup.

Warning! Read the safety precautions in this manual before integrating this LED-unit into your installation.

Installation must be carried out by qualified professionals only.

Assure yourself that there is sufficient and unrestricted air flow around the StarEye Profile LED-unit.

4.1 Unpacking

The following items are included in your package:

- LED fixture, complete with focussing bracket.
- Protective antistatic packaging, with short form manual

4.2 Location and orientation

This LED-unit can be used in all directions.

4.3 Mounting

The StarEye Profile LED-unit can be mounted on all kind of non-combustible materials but take in consideration that the module can have a Tc of approx. 30 °C higher as ambient temperature.

In case of problems, or doubts, please contact your point of sale.

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5 External connections

5.1 DC power input

Safety precautions

Never connect the live power on the input terminals of the StarEye Profile LED-unit!

In case of doubts, contact your point of sale.

Polarity

The StarEye Profile LED-unit is polarity sensitive. So observe polarity and cabling:

- Inner conductor number 1 = positive
- Inner conductor number 2 = negative

Improper connection, might damage the StarEye Profile LED-unit and power supply permanently. In case of inversed polarity, the warranty is void.

Power supply: Rated voltage

The rated input Current range of the StarEye Profile LED fixture is 700mA. Please note, never apply a 12 volt or 24 volt DC voltage to the units. This will damage the units permanently.

Cable

Please ensure yourself that the cable end is watertight sealed at the connection. If this is not properly done, water can pass through the inner conductors of the cable and damage the internal electronics of the StarEye Profile LED-unit.

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6 EMC and safety requirements

The StarEye Profile LED-unit is fully compliant to the LVD and EMC directive of the European council, if used in a properly designed setup.

EMC requirements of the power supply

The StarEye Profile LED-unit is only intended to be used in lighting applications, and as such, the complete assembly of LED-unit and power supply needs to be fully compliant with the harmonized standards.

Immunity according to:

- EN 61547:2009 (General EMC immunity requirements lighting eq.)
- EN 61000-4-1:2006 (General immunity testing techniques)
- EN 61000-4-2:2008 (ESD immunity test)
- EN 61000-4-3:2006 + A1:2007 (Radiated immunity test)
- EN 61000-4-4:2004 (Fast transients and burst immunity)
- EN 61000-4-5:2005 (Surge immunity test)
- EN 61000-4-6:2008 (Conducted immunity test)
- EN 61000-4-8:1993 (Magnetic field immunity test)
- EN 61000-4-11:2004 (Voltage variations immunity test)
- EN 61000-6-1:2005 (Generic standards for immunity)

Emission according to:

- EN 61000-3-2:2005+A1:2008+A2:2009 (Harmonics emission test<16A)
- EN 61000-3-3:2008 (Flicker+ voltage changes limits< 16A)
- EN 55015:2006+A2:2009 (Conducted + radiated emission lighting equipment)

To achieve this compliance, a proper power supply must be supplied. In case of doubts, contact your point of sale.

LVD requirements of the power supply

The StarEye Profile LED-unit is only intended to be used in lighting applications, and as such, the complete assembly of LED-unit and power supply needs to be fully compliant with following harmonized standards:

- EN 60598: general requirements of lighting equipment.

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7 Installation setup

7.1 Specification

The StarEye Profile LED-unit is a small and efficient solution for outdoor gobo projection.

It uses a current controlled power supply, able to supply 700 mA and a driver voltage of 12vDC.

It is possible to use a glass or metal gobo to project an image. The light beam angle can be manipulated with the position of the lenses in the projector.

- Power consumption: max. 10 watt
- Power voltage: Do not apply voltage sources!!!!
- Current: max. 700 mA (full rated output)
- Weight: 2,7 kg
- Zoom range: 16° - 24°
- Gobo dimension: 25mm outer diameter (18mm visible area)
- Color : 2700K, 3000K, 4000K,5700K, 6200K. CRI: 80
- Black anodized housing
- RAL colors are not available.

The ingress protection of the StarEye Profile LED-unit is IP67, although the unit is designed to be used in outdoor applications, the StarEye Profile may be used indoor as well.

The dimensions of the main LED housing are a cylindrical aluminum lathed part of 115mm diameter with length of 301 mm. The height with bracket is max. 178 mm. The housing is anodized in black. The StarEye Profile LED-unit is polarity sensitive.

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Service and maintenance

8.1 Safety precautions

Read carefully the safety information in this manual. Lock out the power on the entire system and allow all electronic devices to discharge, and cool down, before executing any service or maintenance.

8.2 Cleaning

The StarEye Profile LED-unit itself

Extensive dirt, and particle build-up degrades performance, may cause overheating can result in damaged LED-unit and power supply's. Damage caused by inadequate cleaning or maintenance, is not covered by the product warranty.

Never use solvents to clean the outer housing of the unit.

Never use water, or wet cloth.

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8.3 Gobo changing

The gobo must have a diameter of 25mm with a visible area of 18mm. The gobo material can be metal or glass.

Gobos available on www.goboland.com.

Step 1:

Screw the front tube cover counterclockwise to remove it from the LED-unit base.

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Step 2:

Release the metal spring that holding the gobo down. Use a small flathead screwdriver. Be careful not damaging the surface of the gobo.

Step 3:

Take the metal spring and the metal gobo protection ring out.

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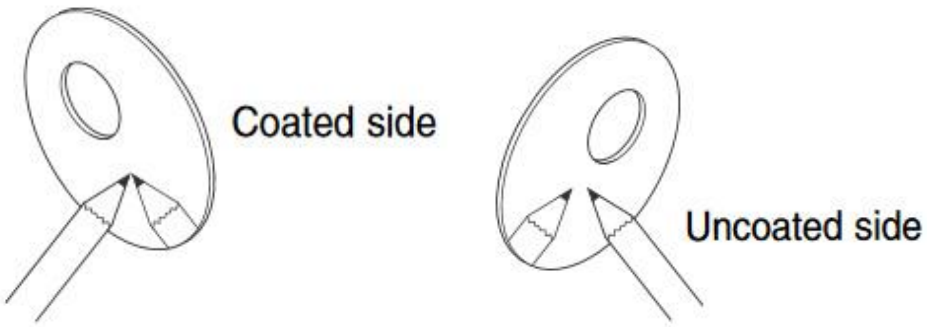
Step 4:

Put the metal or glass gobo in pace.

If using a glass gobo, please be sure that the coated side or reflective side is towards the LED source.



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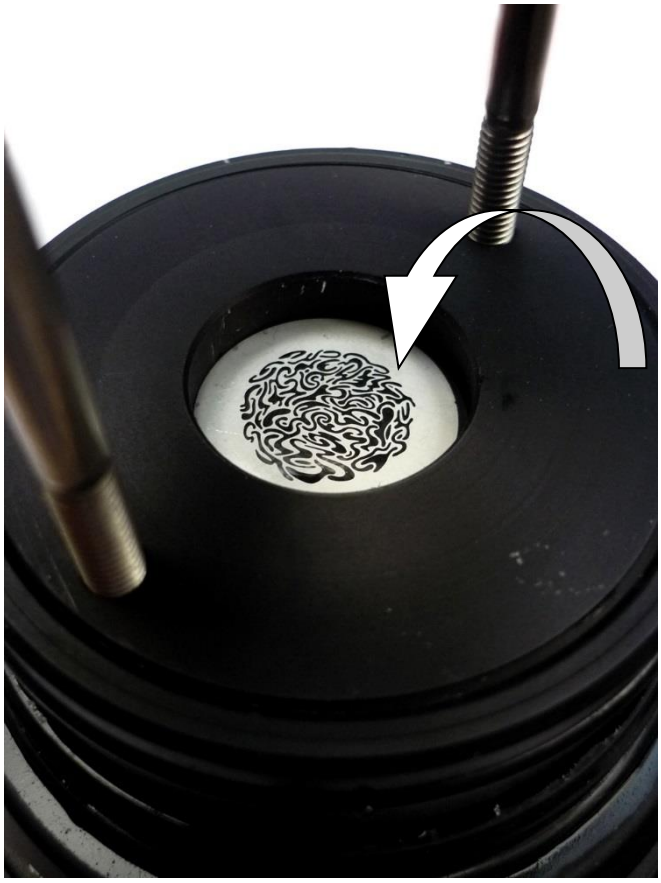

Step 5:

Put the metal gobo protection ring back in place.

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Step 6:

Put the metal spring back in place. Use a small flathead screwdriver. Be careful not damaging the surface of the gobo.

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Step 7:

Slide on the front tube cover and screw it clockwise to mount it on the LED-unit base.

Screw the tube hand tight and don't use mechanical tools to fasten the tube!

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8.4 Changing zoom and focus:

The StarEye Profile has a zoom range from 16° to 24°. The desired size of the beam and focus of the gobo can be selected by moving the two front lenses.

Step 1:

Screw the front tube cover counterclockwise to remove it from the LED-unit base.

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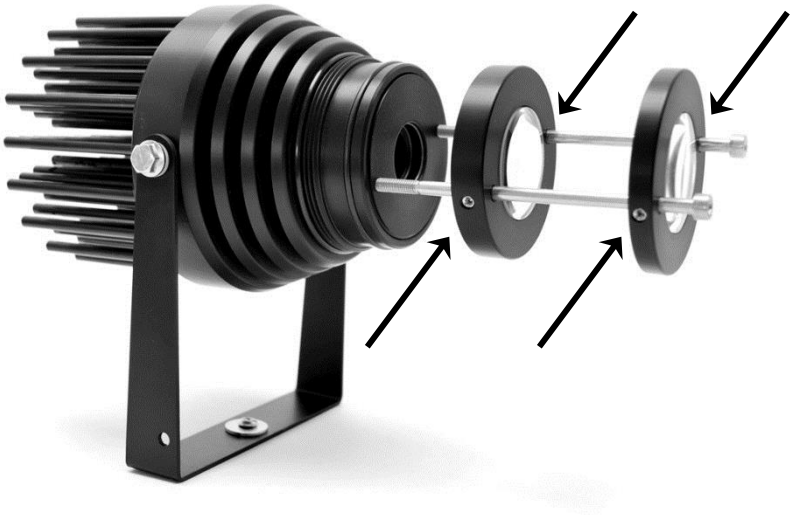
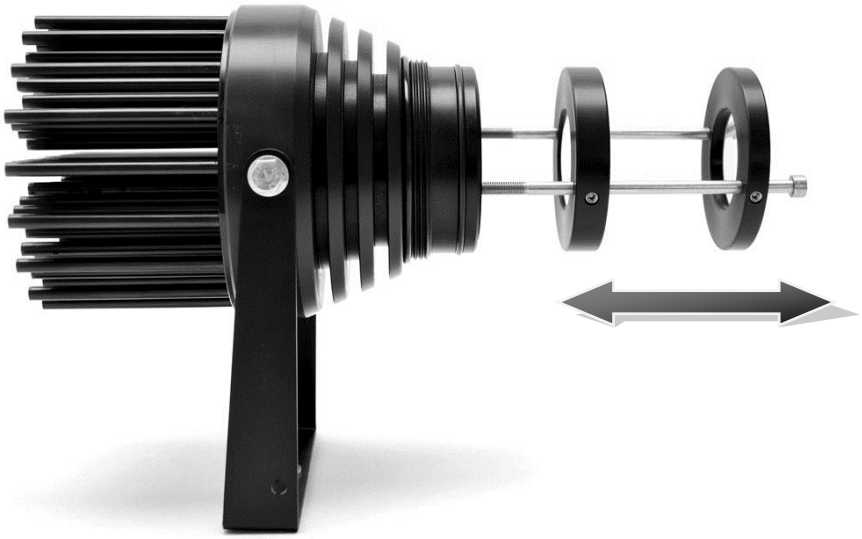
Step 2:

Untighten the two screws of each lens with an Allen key number 2,5.



Step 3:

Move the two lenses to the right position for the desired beam angle and focus.



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Step 4:

If the position of the lenses is correct, tighten the two screws of each lens with an Allen key number 2,5.

Step 5:

Slide on the front tube cover and screw it clockwise to mount it on the LED-unit base.

Screw the tube hand tight and don't use mechanical tools to fasten the tube!

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9 Warranty

9.1 Application of warranty

Warranty period

Warranty service is valid for one year from the date of purchase by the consumer, as evidenced by invoice date given out by your point of sale.

Warranty service

Service under warranty can only be done by Lux Lumen.

Coördinaties:

Lux Lumen
Kernenergiestraat 53 A
2610 Wilrijk
Belgium

Any cost of secure transportation of the product to and from Lux Lumen service department, will be borne by the customer.

Limitations

Lux Lumen will not warrant the following:

- Periodic check-ups, maintenance and repair or replacement of parts due to normal wear and tear.
- Consumables
- Any software
- Defects caused by modifications carried out without Lux Lumen's approval.
- Damage resulting from the fact that a product is not conforming to country specific standards or specifications in another country that the country of purchase.

Costs incurred by Lux Lumen's service center in making any adoptions or modifications of a product necessary for country specific technical or safety standards or specifications, or any other cost to adjust the product as a result of any specifications which have changed since the delivery of the product.

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Warranty service is excluded if damage or defects have been caused by:

Improper use, extensive use, handling or operation of the product as referred to in the user manual or operator manual and/or relevant user documents, including without limitation, incorrect storage, dropping, excessive shocks, corrosions, dirt, water, or sand damage, if the product is not rated to be used in severe conditions, indicated by its IP and IK degree, mentioned in the product specifications in this manual.

Repairs, modifications or cleaning carried out by a non Lux Lumen service centre.

Use of spare parts, software or consumables, which are not compatible with the product.

Connecting the product to equipment not intended to be used with this product.

Defects caused by improper condition of the power supply network.

Inadequate packaging of the product when returning it under the RMA procedure.

Accidents or disasters or any cause beyond the control of Lux Lumen, including but not limited to lightning, water, fire, public disturbances, improper ventilation, and acts of god.

Others

It is the responsibility of the customer to backup and save any software files and programs before repair and to restore the same after such repair.

This warranty does not affect the consumer's statutory rights under applicable national legislation in force, nor the consumer's rights against the retailer arising from the sales/purchase contract. In the absence of applicable national legislation, this warranty will be the consumer's sole and exclusive remedy, and Lux Lumen cannot be liable for any incidental or consequential damages for breach of any express or implied warranty of this product.

For full details of the warranty offered on this product, please contact Lux Lumen's service center.

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9.2 RMA procedure

To send material back to Lux Lumen, you need a RMA (Return Material Authorization) document that you will receive from Lux Lumen.

Without the RMA document, we cannot accept the material.

The procedure to obtain a RMA:

Step 1:

Customer contacts Lux Lumen about warranty, defects if material has to be returned.

Step 2:

Lux Lumen sends the customer a filled out RMA document (using a unique RMA number)

Step 3:

Customer sends material (include a copy of the RMA document with the material)

Step 4:

Lux Lumen evaluates the problem, and informs the client if repair is done under warranty, or makes an offer to the client for repair.

Step 5:

The procedure related to lux lumen quality procedures, according ISO 9001 is started up.

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Used list of abbreviations

- AC: Alternating current
- DC: Direct current
- °F: Temperature in degrees Fahrenheit
- °C: Temperature in degrees Celsius
- LED: Light Emitting Diode
- CRI: Color Rendering Index

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