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1 General instructions

Please read the operating instructions thoroughly. The following documentation includes important information about the operation and handling of the Nesys lighting fixtures.

For your own safety and protection, please follow the safety instructions stated below.

2 Safety instructions

- Caution high voltage! Danger to life!
- Should you be sitting in water, have wet hands or the cable and the connector are wet, do not connect the unit to the mains supply.
- Before changing the fluorescent tubes, disconnect the fixture from the mains supply
- Never switch on the fixtures without fluorescent tubes.
- Safety devices, should be removed for service purposes and from authorised personnel only. As soon as the service of the fixture is completed the safety devices must be mounted again.
- Never exposure soft lights directly to the illumination of spot lights. This will cause overheating and destroy the unit!
- Never cover the ventilation slots. Overheating danger!
- Do not operate the fixture when connectors, cables and lamp holders are visibly damaged. If damage occurs, the service should be made by Nesys Lichtsysteme or from a person/company with service authorisation.
- The lighting fixtures are designed and manufactured for professional use only. Do not allow the operation by not authorised personnel and children.
- **CAUTION !! DO NOT CONNECT THE NESYLITE AND NESYFLEX DI AND DMX VERSION TO AN EXTERNAL DIMMING UNIT – DANGER TOTAL LOS OF UNIT.**
- **CAUTION !! Always use the right voltage (110V or 220V) as stated on the type label placed on the rear side of the unit. – DANGER TOTAL LOSS OF UNIT !!**
- **CAUTION !! Units which are for 110V/220V must always be switched/set to the right voltage available for operation --- DANGER TOTAL LOSS OF UNIT!!**

3 General operating instructions

Avoid touching the fluorescent tubes with bare hands. Fingerprints soil the fluorescent tubes and reduce their homogeneous radiation and light intensity. The contacts of the lamp holders must always be clean.

The fluorescent tubes should be inserted very carefully into the unit to avoid damage. Push the lighting fixtures app. 2cm in the bracket and then press them in the lamp holder

Check whether the fluorescent tubes are placed-in and fixed correctly in the lamp holder

Always use original accessories and original spare parts.

4 Securing of the lighting fixture

In order to secure the lighting fixture on a rig-construction, always use safety ropes additionally to other fastening devices. (for ex. clamps etc)

The length of the safety ropes should be adequate but not too big.

The operation of the lighting fixture in a studio or on stage should comply to the safety regulations applicable to your country.

6 Operation

The barycentre of the tripod must always be taken into consideration while using it with a fixture. Should the operation take place on location, then the wind load must also be taken into consideration and the tripod must be secured with ropes on all three sides.

Tilting danger !

5 Product description

The newest developments in fluorescent lighting for professional use are the basis for the construction and development of Nesys soft lights. The innovative and binary configuration of the fluorescent tubes enables a light yet robust construction and results to excellent homogeneous light distribution with an exceptionally high light output.

The state-of-the-art electronics work at a frequency of 35kHz and provide a flicker- and interference free operation as well as a linear dimming from 100-0% with a negligible colour temperature variation.

Compared to a halogen fixture the Nesys soft light has a much higher light efficiency (CRI 98%) and offers the fourfold of a halogen light output with the same power input.

High airflow keeps the operating temperature of the lighting fixture very low and the big radiating surface combined with the soft homogeneous light of Nesys soft light reduce double shadows and reflections to an absolute minimum. This feature not only enables the perfect illumination of shiny and reflecting objects but also facilitates (the illumination) in studios, stage etc.

The so called "cold light" minimises the risk of overheating or fire development and is ideal for the illumination of sensitive, precious and historical objects or rooms.

The long service life (app. 8000h) of the fluorescent tubes and the very low current consumption result to very low operation costs.

Easy change of the fluorescent tubes type 5600K or 3200K.

Nesys fixtures are also available with DMX controlling and equipped with DMX output connectors, which enable the transmission of the DMX signal from unit to unit. An integrated DMX booster enables an excellent DMX transmission to all connected units.

6 Operation

Push up the ball joint head against the ball joint holder, which is placed to the rear side of the lighting fixture. Lock-in-place the safety pin and pull tight the fixing bolt.

To place the filter frame, the eggcrate or the 4-leaf barndoor, loose the knurled screw at the bolting on the rear side of the fixture and push outwards. Then place the filter frame, the eggcrate or the 4-leaf barndoor, close the bolting and fix the knurled screw.

Instruction for non dim Nesys lighting fixtures.

Connect the mains cable with the fixture and the mains connector to the mains supply.

Instruction for dimmable 100-0% Nesys DI lighting fixtures (recognisable by the type label placed at the rear side of the unit) (internal analogue controlling 0-10V).

Additional to the mains cable it is necessary to connect the controlling cable to the remote control (6-pol) and to the lighting fixture (female connector 6pol on the rear side).

Connect the mains connector to the mains supply and turn on the switch of the remote control. If necessary, dim with the sliding controller on the remote control.

Instruction for the Nesys DE soft lights (recognisable by the type label placed at the rear side of the unit) external dimming 100-0% (Phase control 0-240V).

6 Operation

Connect the mains connector to the dimm loop required and the unit can be immediately controlled via a lighting console.

Attention! The fluorescent tubes reach their maximum light intensity in app. 1,5min.

7 DMX controlling

Connect the DMX cable at the front side of the unit. As soon as the LED signal is visible at the LED display, use the tilt switch to set the DMX-address at each fixture.

The upper diode lights green and indicates the mains supply. The lower diode blinks thus indicating the existence of the DMX signal. **DO NOT CONNECT WITH A EXTERNAL DIMMER UNIT – DANGER TOTAL LOSS OF THE FIXTURE !**

8 Technical Data

Nesys	110	220	330	440	660
Construction	According to EN 60 598-2-17				
Protection class	I				
Allowable ambient temperature	-20 °C to 50 °C				
Light output at 3m distance in Lux	255	465	675	940	1315
Dimming	100 – 0%				
Weight:	2kg	4kg	5kg	8kg	12kg
Dimensions: Width x height x depth	615 x143x133	615x217x133	615x300x133	615x372x133	615x527x133

9 Troubleshooting

The Nesys units have no maintenance intensive parts.
For repair or exchange of a part, always use original parts.

a) No function

- Check whether the unit is connected to the mains supply.
- Check the mains cable and if necessary replace it
- The electronic power supply might be damaged or defect, so the fixture must be sent to Nesys for repair.

b) Pairwise fallout of fluorescent tubes

- Each power supply controls 2 fluorescent tubes. Consequently, if one supply is defect 2 tubes will fall out.
- Check whether each tube fits correctly on the lamp holder.

If the problems persists then send the fixture to Nesys for repair

FOR REPAIR, ALWAYS NOTE THE SERIAL NUMBER OF THE UNITS

10 Warranty

The Nesys Lichtsysteme offers a 2 year warranty on all of its units, starting from delivery date. The warranty is void when:

- The units have not been used according to the technical specifications and instructions as stated in this manual.
- The casing of the fixtures has been opened from non authorised company of personnel.

Nesys Lichtsysteme e.K.
Geretsried, November 2008