



## OPERATIONS MANUAL FOR PRODUCT GHR 2000

Dear Customer,

You decided to buy a quality product, which correspond with the newest trends of the lighting engineering. The design of the GHR range of luminaires together with their technical parameters will satisfy also the most demanding customers. This product also complies with the actual government regulations in general and the technical standards. Please read this operation manual carefully. Non-observance of the operation manual may cause damage on the luminaire or threat to the personal or property.

### TECHNICAL DATA

Category	Luminaire for theatre use
Type	GHR 2000 A04A
Nominal voltage	230V/50Hz
Power input	2000 W
Enclosure	IP 20
Weight	13 kg
Max. surface temperature	110°C
Dimensions (without yoke)	430 x 280 x 325 mm

### USE OF THE EQUIPMENT

The fixture is intended for illumination of the interiors. Used materials for the mentioned fixture guarantee maximum safety both in the mechanical and electrical field.

### PROTECTION AGAINST ELECTRIC SHOCK

The metal parts of the spotlight are conductive interconnected and the fixture is connected by a terminal to the protective system of the network. The connection and putting into operation of the fixture should be made only by qualified electrical technicians by course of the regulation 50/78 Col.

### INSTALLATION, ASSEMBLY

The fixture is mounted through the holes in the yoke with strength steel bolt M10. The power supply is secured with a movable lead cable – silicone cable CSSS 3C x 1,5 mm, length 1,5 m, with plug Schuko, which is close-connected to the spotlight. On the fixture sides are locking nuts enabling setting of the fixture in the required position.

### OPERATION

The fixture can be fitted with a light source (a halogen lamp of 2000W / 230V, lamp base GY 9,5), which does not require starting device and with a max. power input of 2000W. When observing the recommended light source we can guarantee trouble-free operation of the fixture. Because the fixture is at the same time a heat source, it is necessary to secure the heat dissipation (e.g. by due space in which the fixture is used).

### HANDLING

The fixture is delivered in a transportation packing and because of its weight manual handling is supposed with observing the instructions on the packing (fragile goods). Store in dry and non-dusting warehouse at the temperature range of –10°C up to + 35°C.

### SERVICE

On the electric equipment of the fixture should work only qualified electrical technicians according to the regulation 50/78 Col. The fixture cleaning can be made with a dry or dampened cleaning cloth. When doing any maintenance, cleaning or replacing the light source the fixture must be disconnected from the power supply and time must be given to cool down. The service and repairs are made according to the reclaim regulations.

### LIGHT SOURCE REPLACEMENT (BULB)

To replace the bulb with the GHR 2000, you must first unplug the power cord to release the mechanical safety device. Then it is possible to push the spring lock in the front of the upper blind and push the blind backwards. This makes accessible the space for the light source.

**The light source cannot be replaced with the power cord plugged in!**

### DISASSEMBLY AND DISPOSAL

The disconnecting of the power supply should be done only by a qualified electrical technicians according to the regulation 50/78 Col. The disposing will be made by separation of the individual fixture materials and their scraping. The non-functional light sources have to be disposed according to the valid regulations concerning the environmental protection.

### INSTRUCTIONS FOR TRAINING

The fixture may be operated by trained persons according to the regulation 50/78 Col. When using the fixture the instructions of this Operation manual have to be observed.

### OPERATING CONDITIONS

The removal of the terminal box cover is not possible unless the fixture was disconnected from the power supply. It is forbidden to hang on the fixture any objects (except the intended fixture accessories) and to wash the fixture with a water stream. The fixture is designed for a temperature range of –10°C up to +35°C. The fixture may be positioned only without reach of the common handling and apart from the flammable materials. The suspension hook (optional accessory, e.g. 30.01.034) has to be rated at tenfold of the fixture weight without permanent deformation. The fixture must be positioned at least 1 m apart from the flammable materials.

### FORBIDDEN HANDLING

You shall use the fixture only for the purposes described in this operation manual. Do not use the fixture if the supply cable has been damaged, if the fixture does not functions properly or is damaged. When cleaning the equipment or replacing the light source the fixture has to be disconnected from the power supply. You shall use only approved accessory. The minimum distance from the lighted object is 1 m.

### REGULATIONS USED BY THE MANUFACTURING OF THE EQUIPMENT

Government regulations 168/97 Col. as amended (directive 73/23/EEC), ČSN EN 60598-1 + A1, ČSN EN 60598 – 2 –17+A2, DIN 15 560, DIN 5037.

### FIXTURE ACCESSORIES

Gel frame – Product code: 27.15.019

Barn door – Product code: 27.18.009 (not part of the supply)

Suspension hook – Product code: 30.01.034 (not part of the supply)

### GUARANTEE PERIOD

The manufacturer gives for the above mentioned product a guarantee period of 24 months except for the supplied light source.

