



## FOS Blinder Innovative



# PRODUCT SPECIFICATIONS

## TECHNICAL SPECIFICATION

**Voltage:** 90/260 Volt AC, 50/60 Hz.

**Power Consumption:** 400 Watts max.

**Light Source:** 4x 100 Watt Warm White (3000 K) LEDs.

**Luminosity:** 1300 lux in 5 meters.

**Effects:** Powerful blinder and strobe effects, with different dimmer curves and independent LED control.

**Wide angle:** 60° in each LED source.

**Control:** DMX & Master / Slave control modes.

**Cooling:** heatsink for convection cooling with no fans. Temperature sensor for each LED.

**DMX Channels:** 1, 3, 4, 9 & 10.

**Protection Class:** IP65

**Dimensions:** 380 x 380 x 190 mm

**Weight:** 10,9 Kg

# SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. Always disconnect the power before carrying out any maintenance. The earth must always be connected to the ground. Ensure that all parts of the equipment are kept clean and free of dust.



**Warning: Avoid continuous use of high frequency strobe effects!**



- ✓ The product is designed for indoor use only. Keep it away from water, moisture, extensive heat, humidity and dust. Do not install the product directly on to flammable objects.
- ✓ Always connect the product to nominal voltage and frequency. Do not connect the device to dimmers.

# PROTECTION AGAINST SOLIDS AND WATER

## Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP“ and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

### PROTECTION EXAMPLES:

**IP20:** Protection against intruding objects >12,5mm „Finger protected “; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

**IP33:** Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET.** This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

**IP54:** complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS.**

**IP65:** shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

**IP67:** shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTAL SUBMERGING ON TEMPORARY FLOODED AREA.**

# TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

# LIMITATIONS OF IP PROTECTION

IP-Rating doesn't mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

## Warning



**NOTE!** If the signal cable is over 60 m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

## Menu Screen

You can easily navigate through menu's options with the four buttons under the screen. Navigating in the menu is simple! With the Up / Down buttons, you are moving through menu's choices, pressing Enter, you are entering the sub menu of the option you have chosen, with the Up / Down buttons you're moving

through the sub menu's options, with Enter, you are confirming your choice. The **FOS Blinder Innovative** offers the following options:

## **Main Menu**

### ***Config Mode***

#### **Channel Mode:**

- 1
- 3
- 4
- 9
- 10

**Keep Screen On:** Enable / Disable

**Keep DMX Data:** Enable / Disable

**Fast Dimmer:** Enable / Disable

#### ***System Info:***

- **Temperature:** Head 1, Head 2, Head 3, Head 4.

**Auto Test:** Auto 1, Auto 2, Auto 3.

**Led Test:** LED 1, LED 2, LED 3, LED 4.

# Channel Modes

## **1 Channels**

### **1. Master Dimmer**

## **3 Channels**

1. **Master Dimmer**
2. **Master Dimmer Fine**
3. **Strobe:**
  - **0 – 10** Shutter Open
  - **11 – 240** Synch Strobe from slow to fast.
  - **241 – 255** Sudden Strobe

#### 4 Channels

1. **LED 1 Dimmer**
2. **LED 2 Dimmer**
3. **LED 3 Dimmer**
4. **LED 4 Dimmer**

#### 9 Channels

1. **Master Dimmer**
2. **Master Dimmer Fine**
3. **Strobe:**
  - **0 – 10** Shutter Open.
  - **11 – 240** Synch strobe from slow to fast.
  - **241 – 255** Sudden Strobe
4. **LED 1 Dimmer**
5. **LED 2 Dimmer**
6. **LED 3 Dimmer**
7. **LED 4 Dimmer**
8. **Auto Mode:**
  - **0 – 35** No function
  - **36 – 71** Pulse A
  - **72 – 107** Pulse B
  - **144 – 215** Auto
  - **216 – 255** Random effect
9. **Dimmer Mode:**
  - **0 – 10** Default
  - **11 – 40** Mode 1 (fast)
  - **41 – 80** Mode 2 (medium)
  - **81 – 120** Mode 3 (slow)
  - **121 – 255** Default

## 10 Channels

1. **Master Dimmer**
2. **Master Dimmer Fine**
3. **Strobe:**
  - 0 – 10 Shutter Open.
  - 11 – 240 Synch strobe from slow to fast.
  - 241 – 255 Sudden Strobe
4. **LED 1 Dimmer**
5. **LED 2 Dimmer**
6. **LED 3 Dimmer**
7. **LED 4 Dimmer**
8. **Auto Mode:**
  - 0 – 35 No function
  - 36 – 71 Pulse A
  - 72 – 107 Pulse B
  - 144 – 215 Auto
  - 216 – 255 Random effect
9. **Dimmer Mode:**
  - 0 – 10 Default
  - 11 – 40 Mode 1 (fast)
  - 41 – 80 Mode 2 (medium)
  - 81 – 120 Mode 3 (slow)
  - 121 – 255 Default
10. **Dimmer Fade Speed**

# General Information

### Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating. A fuse with different rating, can damage the fixture in case of failure.

### Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use.