FOS F-7

PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: 100/240 Volt AC, 50/60 Hz.

Power Consumption: 500 Watt.

Light Source: 48x 4 in 1 LEDs, RGBW 15 Watt each.

Luminosity: 15.000 lumens.

LED refresh rate: 7.000 Hz.

Life Span: approx. 20,000+ hours.

Beam Angle: 35° optics for each led. Extra barndoors module included.

Control: Auto, Stand Alone, DMX512.

DMX Channels: 1, 2, 4, 6, 8, 9, 10, 15, 18 & 22.

Protection Class: IP65

Width: 490 mm

Depth: 144 mm

Height: 313 mm (with bracket in vertical position)

Weight: 14,7 Kg

SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. A minimum distance of 0.5 m must be maintained between the equipment and a combustible surface. The product must always be operated in a well-ventilated area. DO NOT stare directly into the light source. 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.

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 ACCIDENTIAL 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!

Installation

Hanging: The fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit, a safety cable should also be used.

UPRIGHT: The fixture can be mounted in an upright or sitting position using the supporting brackets.

NOTE! The LED Fixture can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED Fixture using the two adjustment knobs located on the side of the fixture.

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 F-7** offers the following options:

Address: Set the fixture's DMX address.

Config:

Channel Mode:

- 1, 2, 3, 4, 6, 8, 9, 10, 15, 18, 22.

Dimmer Curve

- Set Curve Mode L
- Set Curve Mode Q
- Set Curve Mode I
- Set Curve Mode S

DMX Status

- Enable
- Disable

Fan Speed:

- Normal
- Middle
- Fast

WDMX Mode

System Info

Temperature

Fixture Time

Color Menu

Red: 0 - 255

Green: 0 - 255

Blue: 0 - 255

White: 0 - 255

White Balance

Set Red

Set Green

Set Blue

Static Color: 000 – 051 (choose between 51 color combinations)

Auto Test:

Effect Auto 01

Effect Auto 02

Effect Auto 03

Effect Auto 04

Fan Test: On / Off

Auto Speed: 00 - 40

Load Defaults: Yes / No

Firmware Version

Channel Modes

1 Channel

1. **Color Palette:**
   - **0 – 5** Off
   - **6 – 255** Color palette

2 Channels

1. **Shutter:**
   - **0 – 7** Blackout
   - **8 – 15** Shutter Open
   - **16 – 151** Strobe
   - **152 – 175** Fade In
   - **176 – 199** Fade Out
   - **200 – 244** Random Strobe
   - **245 – 255** Shutter Open
2. **Master Dimmer**

3 Channels

1. **Red**
2. **Green**
3. **Blue**

4 Channels

1. **Red**
2. **Green**
3. **Blue**
4. **White**

6 Channels

1. **Shutter:**
   - **0 – 7** Blackout
   - **8 – 15** Shutter Open
   - **16 – 151** Strobe
   - **152 – 175** Fade In
   - **176 – 199** Fade Out
   - **200 – 244** Random Strobe
   - **245 – 255** Shutter Open
2. **Master Dimmer**
3. **Red**
4. **Green**
5. **Blue**
6. **White**

8 Channels

1. **Red**
2. **Red Fine**
3. **Green**
4. **Green Fine**
5. **Blue**
6. **Blue Fine**
7. **White**
8. **White Fine**

9 Channels

1. **Master Dimmer**
2. **Red**
3. **Red Fine**
4. **Green**
5. **Green Fine**
6. **Blue**
7. **Blue Fine**
8. **White**
9. **White Fine**

10 Channels

1. **Master Dimmer**
2. **Master Dimmer Fine**
3. **Red**
4. **Red Fine**
5. **Green**
6. **Green Fine**
7. **Blue**
8. **Blue Fine**
9. **White**
10. **White Fine**

15 Channels

1. **Master Dimmer**
2. **Master Dimmer Fine**
3. **Red**
4. **Red Fine**
5. **Green**
6. **Green Fine**
7. **Blue**
8. **Blue Fine**
9. **White**
10. **White Fine**
11. **Shutter**
    - **0 – 15** Shutter Open

- **16 – 255** Strobe
12. **Color Macros**
13. **Fades:**
    - **0 – 35** Shutter Open
    - **36 – 71** Fade Out
    - **72 – 107** Fade In
    - **108 – 143** Fade In & Out
    - **144 – 179** Sinus Curve
    - **180 – 215** Flow of 4 colors
    - **216 – 255** Flow of 8 colors
14. **Dimmer Speed**
15. **Dimmer Curves:**
    - **0 – 63** Linear
    - **64 – 127** Square
    - **128 – 191** Invert Square
    - **192 – 255** S-Curve

18 Channels

1. **Strobe:**
    - **0 – 15** Shutter On
    - **16 – 255** Strobe from fast to slow
2. **Master Dimmer**
3. **Red 1**
4. **Green 1**
5. **Blue 1**
6. **White 1**
7. **Red 2**
8. **Green 2**
9. **Blue 2**
10. **White 2**
11. **Red 3**
12. **Green 3**
13. **Blue 3**
14. **White 3**
15. **Red 4**
16. **Green 4**
17. **Blue 4**
18. **White 4**

1   **Master Dimmer**
2   **Red 1**
3   **Green 1**
4   **Blue 1**
5   **White 1**
6   **Red 2**
7   **Green 2**
8   **Blue 2**
9   **White 2**
10 **Red 3**
11 **Green 3**
12 **Blue 3**
13 **White 3**
14 **Red 4**
15 **Green 4**
16 **Blue 4**
17 **White 4**
18. **Strobe:**
   - **0 – 15** Shutter On
   - **16 – 255** Strobe from fast to slow
19. **Color Macros**
20. **Fades:**
   - **0 – 35** Shutter Open
   - **36 – 71** Fade Out
   - **72 – 107** Fade In
   - **108 – 143** Fade In & Out
   - **144 – 179** Sinus Curve
   - **180 – 215** Flow of 4 colors
   - **216 – 255** Flow of 8 colors
21. **Dimmer Speed**
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   - **192 – 255** S-Curve

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.