

FOS

technologies

FOS PAR 18x12W PRO



PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: 90/240 Volt AC, 50/60 Hz.

Power Consumption: 220 Watt.

Light Source: 18x 12W RGBWA LEDs

Control: Auto, Music, DMX512

DMX Channels: 5 / 11.

Protection Class: IP20 (suitable for indoor use only)

Width: 270 mm

Depth: 120 mm

Height: 260 mm

Dimensions including the base

Weight: 4,6 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! 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 Par 18x12 Pro** offers the following options:

D001: Set the DMX address for the 4-channel control mode.

CC01 – CC99: Instant color change with adjustable speed.

CP01 – CP99: Color fade with adjustable speed.

De01 – De99: Color fade and change with adjustable speed.

SoUd: Activates the sound mode.

rGbu: Press ENTER and you access the manual color adjustment, with dimmer for every color. Change the values with the **UP / DOWN** buttons for the desired static color.

SET: Choose the channel mode, see the firmware version, the temperature and the working hours of the fixture.

Channel Modes

5 Channels

1. **RED:** linear dimming from 0 to 100%
2. **GREEN:** linear dimming from 0 to 100%
3. **BLUE:** linear dimming from 0 to 100%
4. **WHITE:** linear dimming from 0 to 100%
5. **AMBER:** linear dimming from 0 to 100%

11 Channels

1. **Master Dimmer:** 0 – 255 linear dimming to all colors from 0 to 100%.
2. **RED:** 0 – 255 red linear dimming.
3. **GREEN:** 0 – 255 green linear dimming.
4. **BLUE:** 0- 255 blue linear dimming.
5. **WHITE:** 0 – 255 white linear dimming.
6. **AMBER:** 0 – 255 amber linear dimming.
7. **Color Macros:**
 - 0 – 16 Off
 - 17 – 33 Red
 - 34 – 50 Green
 - 51 – 67 Blue
 - 68 – 84 White
 - 85 – 101 Amber
 - 102 – 118 Yellow
 - 119 – 135 Cyan
 - 136 – 152 Light Blue
 - 153 – 169 Pale Amber
 - 170 – 186 Magenta
 - 187 – 192 Light Green
 - 193 – 255 Full On
8. **Shutter:**
 - 0 – 3 Open.
 - 4 – 255 Synchronized strobe from slow to fast.
9. **Auto Run:**
 - 0 – 49 Off
 - 50 – 99 Color change
 - 100 – 149 Color fade
 - 150 – 199 Color fade in / out
 - 200 – 255 Sound active
10. **Speed:** Auto run speed (in combination with channel 9)
11. **Fade Out Speed:** Gradual fade out speed effect from fast to slow.