

Viking VK300F Zoom Led Fresnel



User Manual

1. Overview

Technical Parameters:

- LED POWER: 300W
- LED Colour: cool white 300w COB LED
- IC Chip :Epistar
- LED Life Time: over 50,000 hours
- Colour Rendering Index(CRI): $R_a \geq 90$
- Voltage :AC90-260V 50-60Hz Auto sensing
- Max power consumption : 390w
- Beam angle: Zoom from 15° to 55°
- Dimmer :0~100% linearly adjustable 16 bit
- Strobe :1-25 times/sec
- Refresh Rate:>400 Video Flicker Free
- Focus: Manual adjusted by hand
- Technology: High-quality glass optical system , Glass reflector
- Control protocol: DMX 512
- Control System: DMX, Auto run and Master/Slave
- DMX Channels: 1/3 Channels
- DMX In and Out on 3 pin and 5 pin XLR
- Working Temperature: -30 to 45 degrees Centigrade
- Housing: Aluminium
- Cooling System: All Copper Radiator & very low noise fan (one fan)
- Thermal Sensor Monitoring: Over-temperature Protection
- Externally fused: 20mm 5a Quick Blow
- IP Grade: IP20
- Powercon In and Out Connectors
- Net Weight: 8.5 kg
- Lantern size: 58 x 32 x 32 cm
- Carton Packing Size: 80 x 31 x 31 cm



2. Operation

Using the UP and DOWN buttons you can increase or decrease values in the LED menu. Once the desired value has been achieved it is important to press ENTER in order to save the value.

On Power up if no DMX data is present or the DMX cable is not plugged in then the display will Flash to indicate lack of data. Once data is being received the display will cease flashing.

After a short delay the display will auto turn off to avoid distraction in the theatre environment. To Turn the display back on simply press any of the display buttons.

The unit can be mounted in any direction and the display can be inverted for ease of use.

Focusing the unit is done by loosening the focus Knob on the side of the light. Once in focus, lock off the focus knob.

Make sure in use that the unit is not covered up by curtains scenery or such like which would restrict the Airflow through the unit - powerful LED light engines such as this one do get hot and require a constant Flow of air to radiate the heat away from the unit.

A Barndoor is supplied with the VK300F. This slots into the front colour runner on the front of the light with the rear runner being used for holding the colour frame. After fitting either the Barndoor or Colour Frame ensure the spring safety clip is closed to ensure the unit will not fall out if inverted or knocked.

The unit can be used without a controller and can be daisy chained for use in a master / slave scenario. The master unit is set to the brightness/strobe levels required by all the slaves and will automatically Sync with them if no DMX is present. For this to happen all addresses on the head must be set to DMX of 1

The Red LED Display will turn off after no button has been pressed for 30 seconds - to turn back on just press any button. The display can also be inverted - see menu options overleaf.

The cooling Fan in the unit will automatically start to spin when the unit reaches 40 degree centigrade and will increase as the heat rises further.

2.2. Menu Data

Main Menu	Sub Menu	Function	Operation	Remark
A001	No sub menu	A = 3 Channel DMX Mode	UP/DOWN	Adjust the DMX start address
			ENTER	Save the DMX start address
D001	No sub menu	D = 1 Channel DMX Mode	UP/DOWN	Adjust the DMX start address
			ENTER	Save the DMX start address
SEAT	Two Sub menus	StAt = Static Mode	ENTER	Enter sub menu
	C255	C: Colour (White)	UP/DOWN	Adjust the brightness of the light (from 0 to 255)
			ENTER	Save the brightness level
	SE00	St = Strobe	UP/DOWN	Adjust the strobe flash rate (0=off 20= fastest)
			ENTER	Save the strobe speed level
TEMP	Two Sub menus	Temperature	ENTER	Enter temperature options
	0	Current Temperature	ENTER	Enter 2 nd sub menu
	E080	T=Top	UP/DOWN	Change the value of maximum working temperature
		Set protect temperature	ENTER	Save value
diSP	No sub menu	diSP = Display	ENTER	Reverse LED Display orientation
RESE	No sub menu	RESt = Reset	ENTER	Reset the unit to default settings

On entering the reset option above the display will show (4 dots) = you must then enter a password Which is UP/DOWN/UP/DOWN & ENTER the display will then briefly show YES and the unit will Reset to default settings.

2.3. DMX Channel Data

2.3.1. Standard channel mode : Display shows A.001

DMX Channel	Value	Funct	Rema
1	0~255	dimmer	
2	0~10	default delay of dimmer	
	11~15	no dimmer delay	
	16~255	Choose delay of dimmer	16 is the shortest delay time, increasing gradually.... to 255 - the longest delay time
3	0~10	no strobe	
	11~255	speed of strobe (255 is fastest)	

2.3.2. Basic channel model : Display shows D.001

Channel	Value	Function
1	0~255	dimmer

SAFETY WARNING

1. Warning

Every person involved with the installation , operation and maintenance of this device has to be Experienced or qualified .

Users must follow the instructions of this manual

Unqualified person can not open the housing cover and operate the device , or the dealer will not accept liability for any resulting defects or problems. There are no user servicable parts inside the light.

Protect the device against rain and moisture, it is for INSIDE use only

2. Warning notes :

Power supply : AC 100V-240V , 50/60Hz auto sensing

Make sure the power switch is off , the power plug , outlet and the earth connection is in good condition before connecting the device with the mains.

During moving and installation , make sure the device is not damaged against metal parts and other tough materials.

The minimum distance between light-output and the illuminated surface must be more than 50cm

The device must only be installed on a non-flammable surface. In order to safeguard sufficient ventilation, leave 50cm of free space around the device . Please note that heat-sensitive objects may be deformed or damaged by the emitted heat.

During operation the housing becomes very hot ! Do not operate the device for 15 minutes after switching off .

The maximum ambient temperature $T_a = 45^{\circ} C$ must never be exceeded , The maximum housing temperature $T_b=80^{\circ} C$ must never be exceeded .

For indoor use

Replace any visible cracked protective shield , filters and lens .

The protective shield, filters and lens will require weekly cleaning as smoke fluid tends to building up residues reducing the light output very quickly.



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