NiTEC
powered by EK

phresnel 50

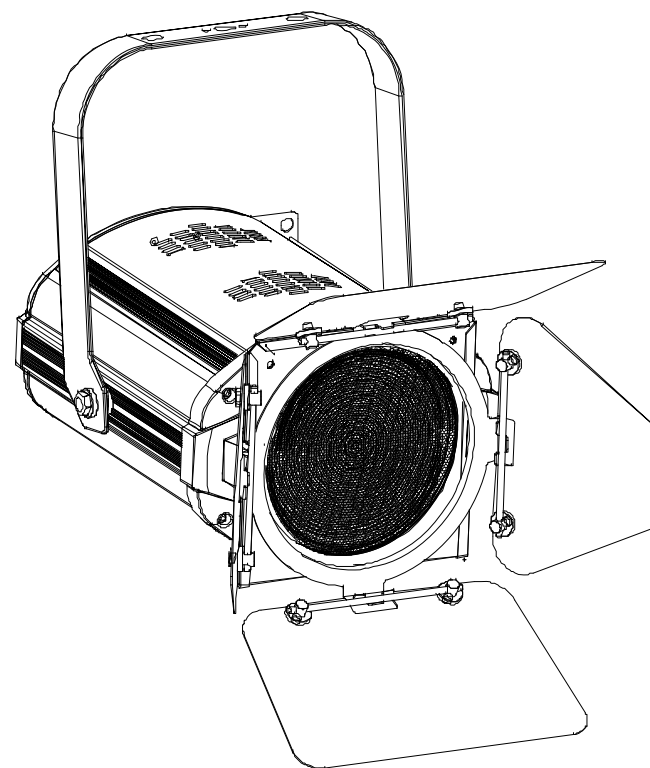Compact LED fresnel with zoom

NiTEC
powered by EK

USER MANUAL

EN

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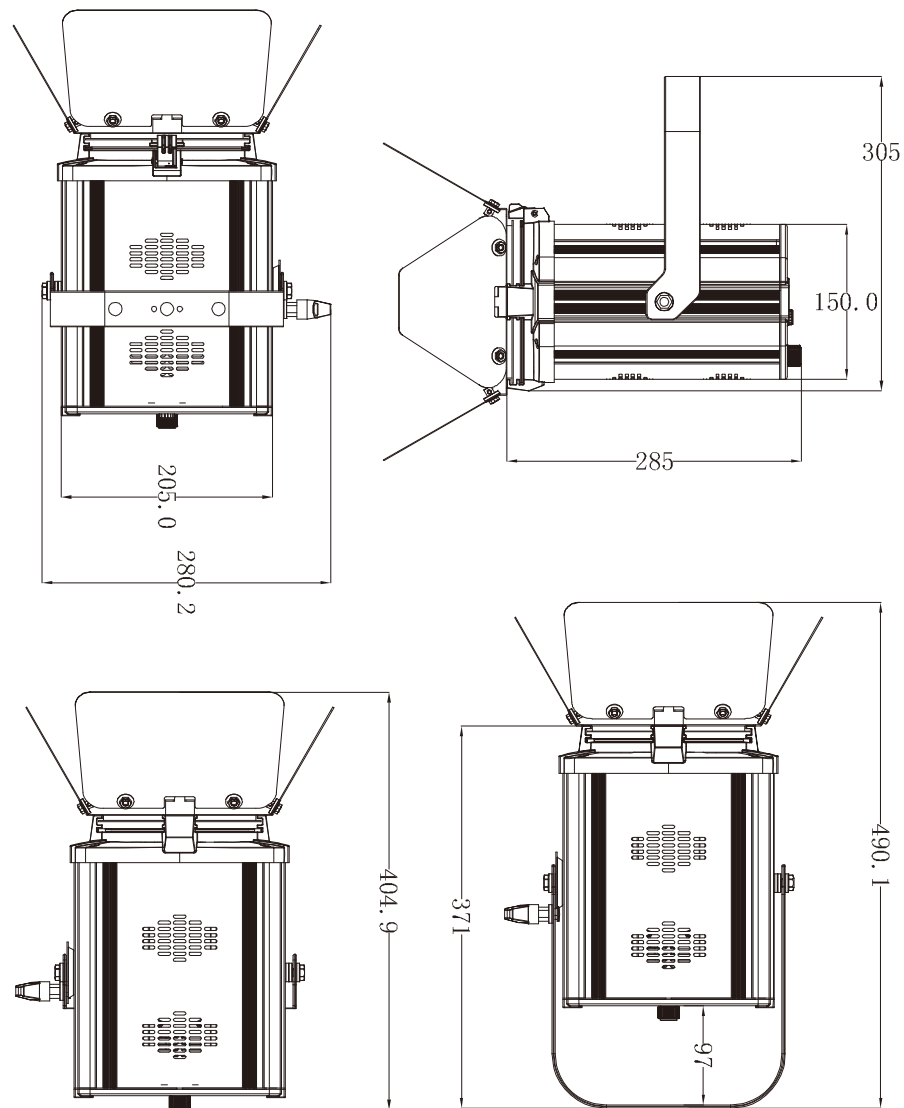
PACKING CONTENT

- PHRESNEL 50
- Gel Frame
- Barn Doors
- Power Cord
- User Manual
- Warranty Card

DIMENSIONS

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT
- Make sure the area below the installation place is free from unwanted persons during setup.
- Switch off the unit, unplug the main cable and wait until the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings, fixations and installation spots (ceiling, trusses, suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT
1. Remove the safety cap by a screwdriver.
2. Replace the blown fuse with a fuse of the exact same type and rating
3. Install the safety cap, and reconnect power.

Fig.7

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	• No mains supply • Dimmer fader set to 0 • All color faders set to 0 • Faulty LED • Faulty LED board	• Check the power supply voltage • Increase the value of the dimmer channels • Increase the value of the color channels • Replace the LED board • Replace the LED board
General low light intensity	• Dirty lens assembly • Misaligned lens assembly	• Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	• No power • Loose or damaged power cord • Faulty internal power supply	• Check for power on power outlet • Check power cord • Replace internal power supply
Fixture does not respond to DMX	• Wrong DMX addressing • Damaged DMX cables • Bouncing signals	• Check control panel and unit addressing • Check DMX cables • Install terminator as suggested

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with cure for future reference. It contains important information about the installation, usage and maintenance of the unit.

SAFETY

General instruction
- The products referred to in this manual conform to the European Community Directives and are therefore marked with $C\epsilon$.
- The unit is supplied with hazardous network voltage (230V~). Leave servicing to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
  - in places subject to vibrations or bumps;
  - in places with a temperature of over 40 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

Warnings and installation precautions
- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the projector, cut off power from the main supply.
- Always additionally secure the projector with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- Install the fixture in a well ventilated place.
- Keep any inflammable material at a safe distance from the fixture.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e. g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- Do not touch the product's housing when operating because it may be very hot.

INTRODUCTION

PHRESNEL 50 is a compact LED fresnel with manual zoom.

FEATURES

- 17° - 50° zoom for convenient versatility across many applications
- High CRI (>91) for natural rendering of complexions and surfaces
- Soft-edged coverage with extremely consistent 3500K warm white field
- Flicker-free output for worry-free video
- Quiet operation suitable for studio use
- Rugged die-cast body and low-maintenance design
- Power In and Out connections for linking multiple units
- Flawless dimming with consistent color temperature throughout the dimming curve
- Included barn doors for shaping light output
- Included gel frame for attaching color filters
- DMX and Manual control, UFI (optional)

SPECIFICATIONS

Light Source:	1x 50W white LED
Color Temp:	3500K
Zoom Range:	17° - 50°
Output at 17°:	2,490 lux@ 3 meters
Output at 50°:	470 lux@ 3 meters
Strobe:	0-30 Hz
Dimming:	0-100% dimming, 4 selectable dimming curves
Control modes:	DMX, Manual, optional UFI
DMX Channels:	1/3
Built-in Programs:	Yes
Menu:	4 digit LED menu with touch buttons
Mains:	100 - 240 VAC, 50/60 Hz
Power:	64W
Fuse:	T1A250V
Power connections:	PowerKon In/Out
Power linking:	up to 24 units@ 120V; up to 48 units at 230V
Data connections:	5-pin XLR In/Out for DMX
Housing:	Aluminum
Finish:	Matte black
IP rating:	IP20
Cooling:	Auto-sensing noiseless fan
Dimensions:	285 x 280x 305mm
Weight:	4 KG

OPERATION

ZOOM and DIMMING KNOBS
Use the Zoom knob to adjust beam angle
Use the Dimming knob to adjust light output level

GELS
Color gels may be inserted in the gel frame, which fits into the gel frame holder

DMXMODES
Press MENU button until **1-CH or 3-CH** is displayed
Press ENTER to select 1-channel or 3-channel DMX mode
Press UP or DOWN to select DMX starting address
Press ENTER

MANUAL DIMMING
Press MENU button until U-- is displayed
Press ENTER
Press UP or DOWN to select dimmer (d000-255)
Press ENTER and use UP or DOWN to select values

SELECTING DIMMER CURVES
Press MENU button until **dIM** is displayed
Press ENTER
Press UP or DOWN to select dimmer curve **(OFF, dIM1, dIM2, dIM3)**
Press ENTER

FAN
Press MENU button until **FAN** is displayed
Press ENTER
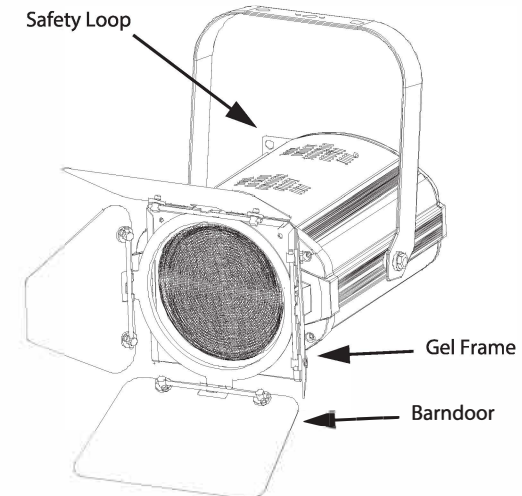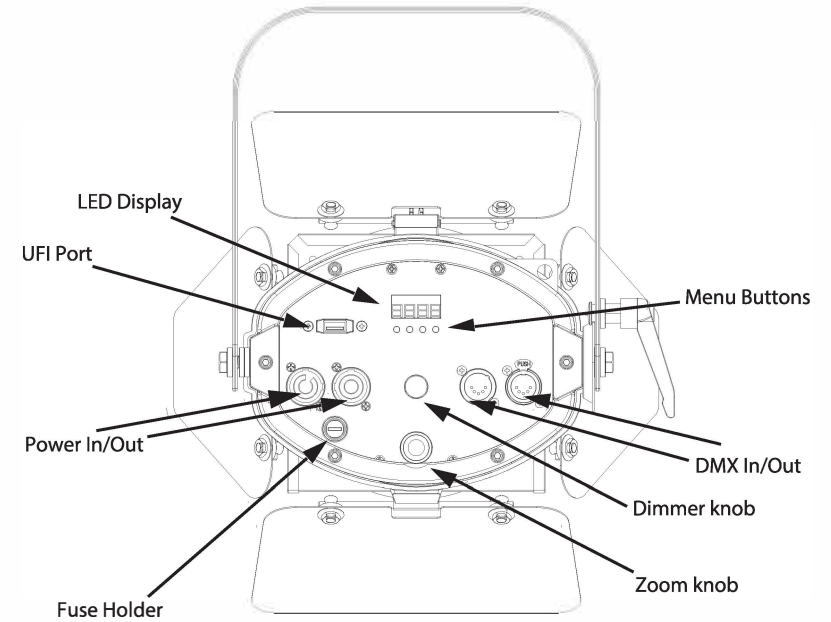Press UP or DOWN to select **AUTO** or **ON**
Press ENTER

DMX FUNCTION CHART

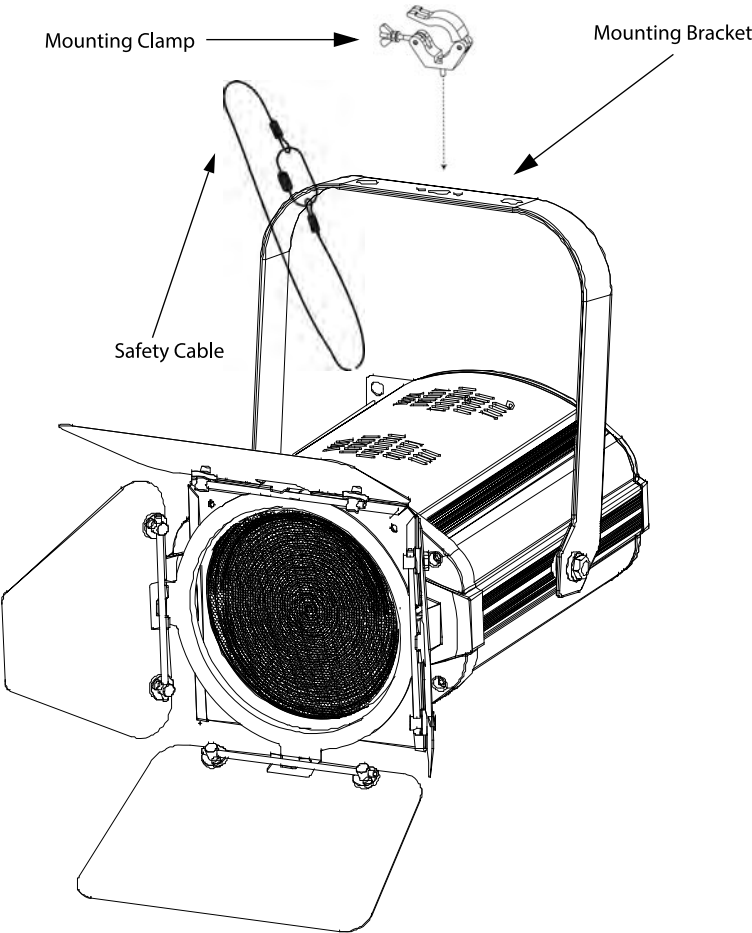| Channel	Function	Value	Percent/Setting

3-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	Dimmer	000 - 255	0–100%
2	Strobe	000 - 010	No function
		011 - 255	Strobe speed (slow to fast)
3	Dimmer Speed	000 - 051	Dimmer Speed set from display
		052 - 101	Dimmer speed mode off
		102 - 152	Dimmer speed mode 1 fast
		153 - 203	Dimmer speed mode 2 medium
		204 - 255	Dimmer speed mode 3 slow

1-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	Dimmer	000 - 255	0–100%

OVERVIEW

LED Display
UFI Port
Menu Buttons
Power In/Out
DMX In/Out
Dimmer knob
Fuse Holder
Zoom knob

Safety Loop
Gel Frame
Barndoor

MOUNTING

Mounting Clamp

Mounting Bracket

Safety Cable

CONTROL MENU OVERVIEW

CONTROL PANEL

BUTTON	FUNCTION
Menu	Selects operating mode or exits submenus
Up	Scrolls up through option lists or selects higher value
Down	Scrolls down through option lists or selects lower value
Enter	Activates displayed menu option or selected value

FUNCTION MENU

MODE	OPTIONS / VALUES	DESCRIPTION
1-CH	**d001–512**	1-channel DMX mode
3-CH	**d001–512**	3-channel DMX mode
U--	**d000-255**	Manual dimmer setting
dIM	**OFF**	Dimmer curve setting (Off, Fast, Medium, Slow)
	dIM1	
	dIM2	
	dIM3	
FAN	**AUTO**	Set fan to Auto mode or always On
	ON	