

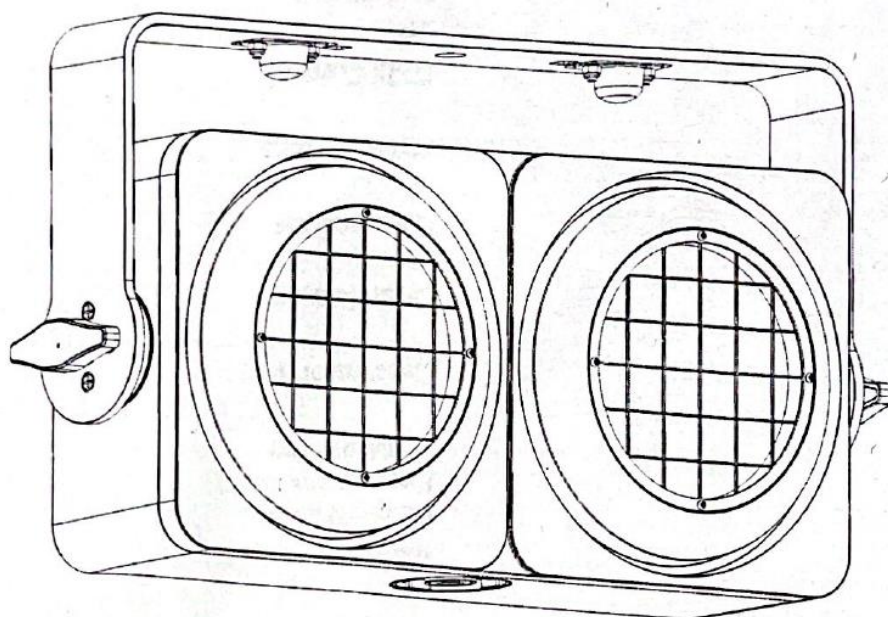
# SHOWPRO

# EK

Blinder II IP

USER MANUAL

LEDPAR370



# Blinder II IP

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

## **SAFETY**

### **General instructions**

- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- 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 mains network 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.
- The 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 temperatures over 40°C
- Make certain that no flammable liquids, water, or metallic objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must 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 put 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 warranty becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electrical shock, etc.
- Before starting any maintenance or cleaning the fixture, cut off power from the main supply.
- Always additionally secure the fixture with a safety cable. When carrying out any work, always comply with all the regulations (particularly regarding safety) currently in force in the country in which the fixture is being used.
- Install the fixture in a well-ventilated place.
- Keep any flammable 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 flashing lights, 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

Blinder II is a warm white LED audience blinder with a modern design and advanced features designed to reproduce the look and feel of the classic incandescent effect.

## Features

- 147w 2800K bi-colour LEDs (WW/Amber), driven by 2x 70w LED drivers
- Advanced optical system delivers a super high output of 10600lm
- CRI  $\geq$  90
- Fan-free design and quiet operation suitable for studio use
- Selectable PWM frequency for flicker-free video with any camera
- 4 dimming curves with 160bit control for smooth dimming
- Consistent colour temperature throughout the dimming curve
- Built-in macros make for easy programming of stunning effects
- Rugged tour-grade design with optional 1x4 or 2x2 master brackets (sold separately) to achieve versatile mounting options

## Specifications

Light Source:	147w white LED 3000K (5000K version available)
LED Driver:	2x 70w
Output:	10600lm
Beam Angle:	60°
Field Angle:	90°
Tilt:	360°
PWM Frequency:	600Hz/1.2kHz/4kHz/25kHz
Strobe:	0-30Hz
Dimmer:	4 dimming curves
Control:	DMX/RDM
Display:	LCD
DMX Channels:	1ch / 2ch / 3ch / 4ch / 5ch / 8ch
Mains:	100 – 240VAC, 50/60Hz
Consumption:	142.3W (120V) / 140.3W (240V)
Protocol:	DMX512, RDM
Power Connections:	Trucon In/Out
Power Linking:	Up to 20 units @230V (up to 10 units @ 110V)
DMX Connections:	IP 5 pin XLR In /Out
Housing Material:	Magnesium Alloy
Finish:	Matte Black
IP Rating:	IP65
Ambient:	-10°C - 45°C
Cooling:	Passive
Dimensions:	432.4 x 100.1 x 229.8mm
Weight:	6.04kg

# 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.
- Housing, fitting points and installation spots (ceiling, trusses, suspensions) should be completely free of deformation.
- The main cables should be undamaged and must be replaced if even 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

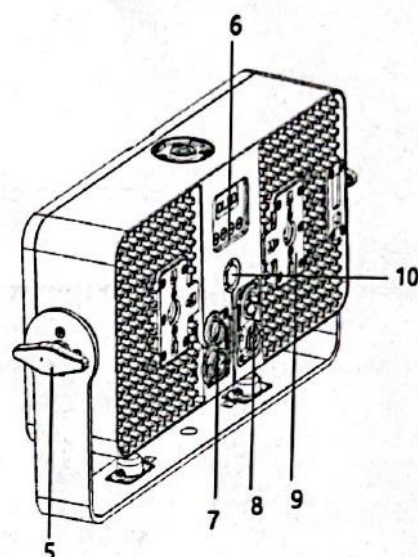
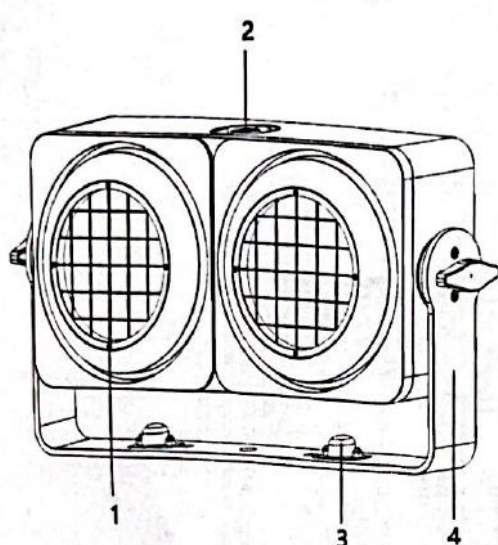
1. Disconnect this product from the power outlet.
2. Using a screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with a good fuse of the same type and rating (250V/T3.15A).
4. Screw the fuse holder cap back into place and reconnect power.

# TROUBLESHOOTING

Problems	Possible Causes	Checks and Remedies
Fixture does not light up	-No mains supply -Dimmer fader set to 0 -Faulty LED -Faulty LED board	-Check the supply voltage -Increase the value of the dimmer 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 at power outlet -Check power cord -Replace internal power supply

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

## OVERVIEW



- 1.Egg Crate
- 2.Locking Gear
- 3.Quick Lock
- 4.Mounting Bracket
- 5.Tightening Knob

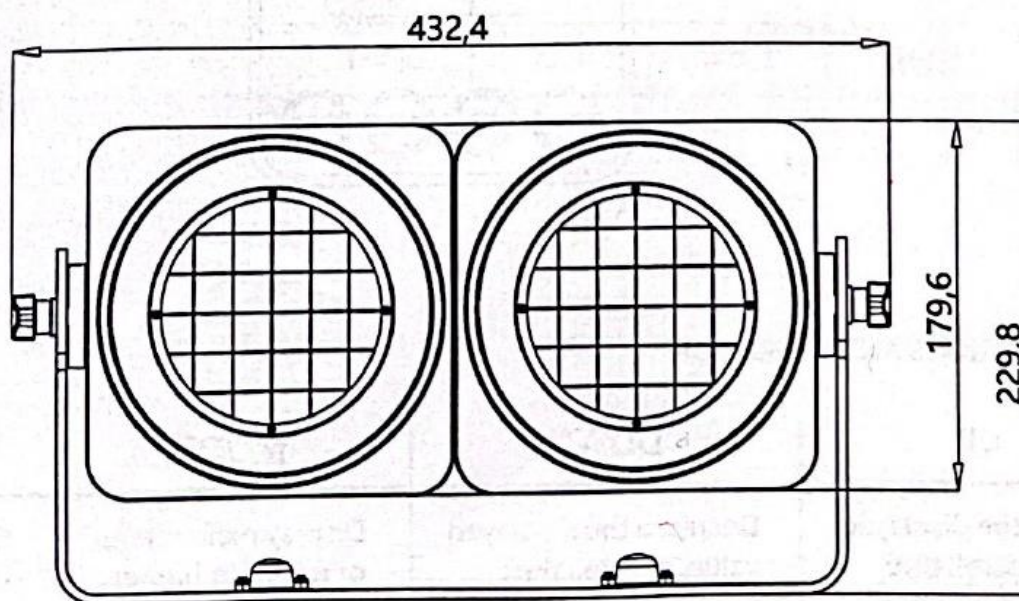
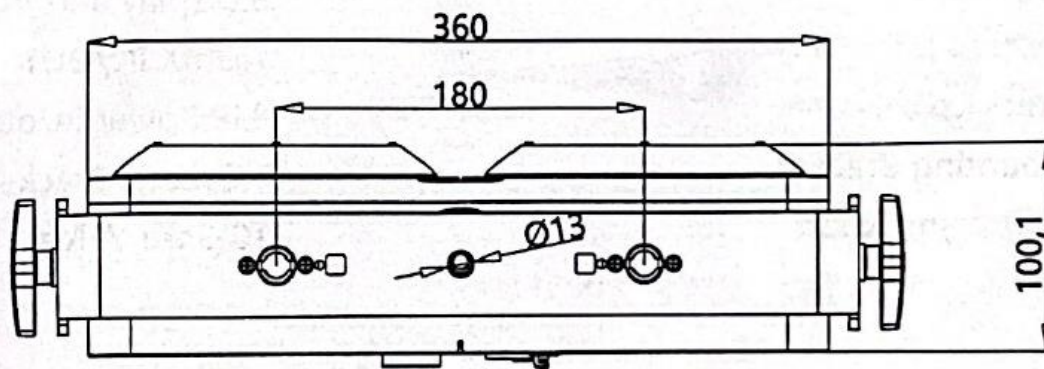
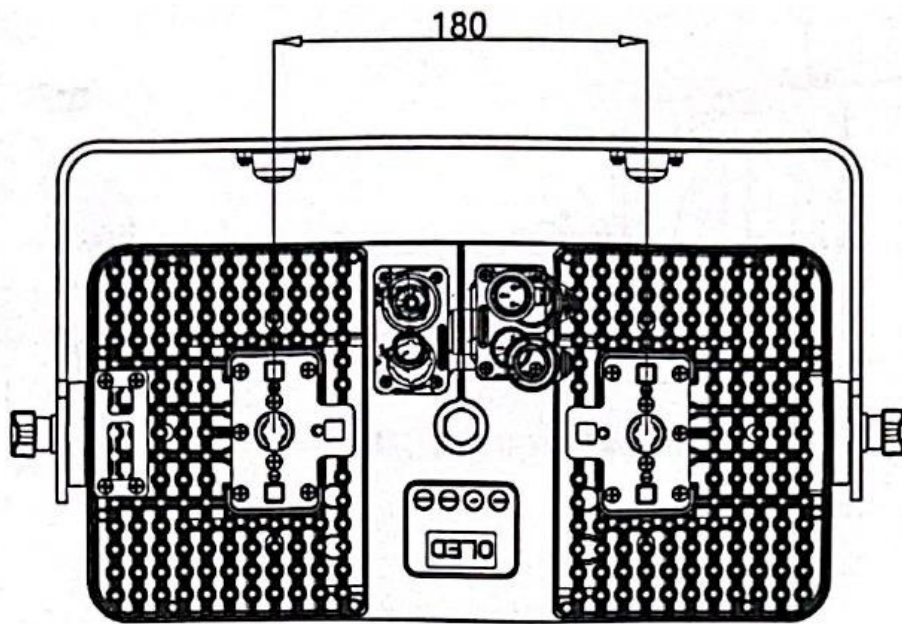
- 6.Display and menu buttons
- 7.DMX IN/OUT
- 8.IP Power in/out
- 9.Omega Bracket
- 10.Gore Valve



## BASIC FUNCTIONS AND OPERATION

UP	DOWN	MENU	ENTER
Increase the displayed value, or scroll thru previous menu items	Decrease the displayed value, or scroll thru next menu items	Display main menu, or return to higher menu levels	Confirm displayed values, or activate displayed functions, or enter submenus, or save settings

## DIMENSIONS





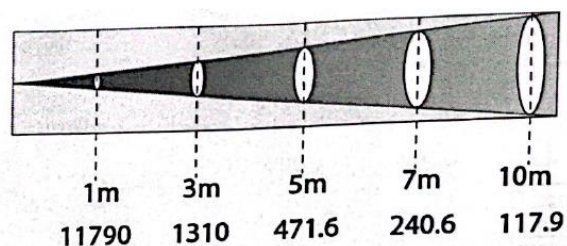
## PHOTOMETRICS

Beam angle:58.8°

FULL on

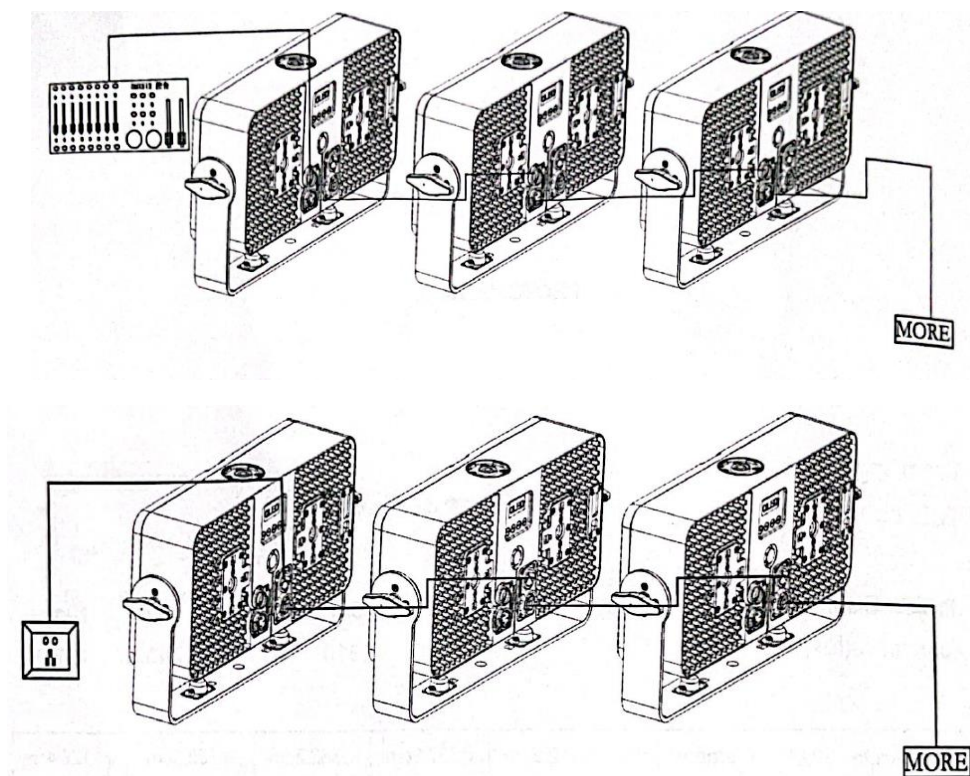
Project Distance(m)

luminance(lux)



Beam Angle: 58.8°	Diameter (cm)	112.6cm	337.9cm	562.2cm	788.5cm	1126.4cm
Full On (Lux) (C700)	Distance (m)	1m	3m	5m	7m	10m
	WW	11790	1310	471.6	240.6	117.9

## DMX/POWER CONNECTIONS



DMX MODE	Fixture 1	Fixture 2	Fixture 3	Fixture 4
1-channel	001	002	003	004
2-channel	001	003	005	007
3-channel	001	004	007	010
4-channel	001	005	009	013
5-channel	001	006	011	016
8-channel	001	009	016	023

# MENU

Main Menu	Menu Level 2	Menu Level 3	Default
DMX Address	001		001
DMX Channel	1Ch		8Ch
	2Ch		
	3Ch		
	4Ch		
	5Ch		
	8Ch		
Static	Dimmer	<0 – 255>	Dimmer: 255
	Strobe	<0 – 255>	Strobe: 0
Auto Show	Auto 1	<0 – 100>	Auto: 1 Speed: 100
	Auto 2	<0 – 100>	
	Auto 3	<0 – 100>	
	Auto 4	<0 – 100>	
	Auto 5	<0 – 100>	
	Auto 6	<0 – 100>	
Red Shift	On		On
	Off		
Master/Slave	Master		Slave
	Slave		
Dimmer Mode	Off		Off
	Dimmer 1		
	Dimmer 2		
	Dimmer 3		
LED Frequency	600Hz		1200Hz
	1200Hz		
	2000Hz		
	4000Hz		
	25kHz		
Back Light	10s		2 Min
	30s		
	2 Min		
	Always On		
Key Lock	On		On
	Off		
Information	Fixture Hours	<9999>	
	LED Hours	<9999>	
	Version	<V1.0>	
	UID	*****	
Temperature	LED1: 40°C		
	LED2: 40°C		
Factory Reset	No		No
	Yes		



## DMX CHARTS

1Ch	Function	Value	Setting
1	Dimmer	000 – 255	0 – 100%

2Ch	Function	Value	Setting
1	Dimmer Head 1	000 – 255	0 – 100%
2	Dimmer Head 2	000 – 255	0 – 100%

3Ch	Function	Value	Setting
1	Master Dimmer	000 – 255	0 – 100%
2	Red Shift	000 – 000	On
		001 – 255	Off
3	Dimmer Speed	000 – 051	No Function
		052 – 101	Dimmer Speed Mode Off
		102 – 152	Dimmer Speed Mode 1
		153 – 203	Dimmer Speed Mode 2
		204 – 255	Dimmer Speed Mode 3

4Ch	Function	Value	Setting
1	Dimmer Head 1	000 – 255	0 – 100%
2	Dimmer Head 2	000 – 255	0 – 100%
3	Red Shift	000 – 000	On
		001 – 255	Off
4	Dimmer Speed	000 – 051	No Function
		052 – 101	Dimmer Speed Mode Off
		102 – 152	Dimmer Speed Mode 1
		153 – 203	Dimmer Speed Mode 2
		204 – 255	Dimmer Speed Mode 3

5Ch	Function	Value	Setting
1	Master Dimmer	000 – 255	0 – 100%
2	Red Shift	000 – 000	On
		001 – 255	Off
3	Strobe	000 – 010	No Function
		011 – 132	Strobe slow to fast
		133 – 255	Random Strobe slow to fast
4	Auto Show (Macros)	000 – 010	No Function
		011 – 040	Program 1
		041 – 080	Program 2
		081 – 120	Program 3
		121 – 160	Program 4
		161 – 200	Program 5
		201 – 240	Program 6
		241 – 255	No Function
5	Dimmer Speed	000 – 051	No Function
		052 – 101	Dimmer Speed Mode Off
		102 – 152	Dimmer Speed Mode 1
		153 – 203	Dimmer Speed Mode 2
		204 – 255	Dimmer Speed Mode 3

8Ch	Function	Value	Setting
1	Master Dimmer	000 – 255	0 – 100%
2	Master Dimmer Fine	000 – 255	0 – 100%
3	Red Shift	000 – 000	On
		001 – 255	Off
4	Strobe	000 – 010	No Function
		011 – 132	Strobe slow to fast
		133 – 255	Random Strobe slow to fast
5	Dimmer Head 1	000 – 255	0 – 100%
6	Dimmer Head 2	000 – 255	0 – 100%
7	Auto Show (Macros)	000 – 010	No Function
		011 – 040	Program 1
		041 – 080	Program 2
		081 – 120	Program 3
		121 – 160	Program 4
		161 – 200	Program 5
		201 – 240	Program 6
		241 – 255	No Function
8	Dimmer Speed	000 – 051	No Function
		052 – 101	Dimmer Speed Mode Off
		102 – 152	Dimmer Speed Mode 1
		153 – 203	Dimmer Speed Mode 2
		204 – 255	Dimmer Speed Mode 3