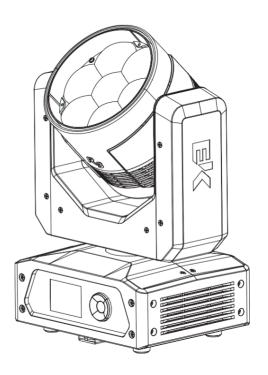
EK SHOWPRO





RGBW Beam • Wash with 4°-60° zoom

2

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DMX starting address DMX channel mode Example of DMX addressing

DMX CHARTS

MENU

FUNCTIONS

DMX cable pin-out and termination illustration

Installation and mounting illustration

FFATURES

- •4°-60° zoom range
- · Compact, lightweight, fast
- •Two pan/tilt speed modes (normal & turbo)
- Onboard user preset library (save/load)
- Built-in color and strobe macros
- RGB Gamma adjustment
- •White color temp presets from 2500~8000K
- Flawless 16-bit 540°/270° motorized pan/tilt movement
- Selectable PWM frequency for flicker-free video with any camera
- DMX. RDM control

SPECIFICATIONS

PHOTOMETRICS

Light Source: 7 x 40W RGBW LEDs

Zoom Range: 4° - 60°

Output (lux): 18144lx ~ 439lx (min ~ max beam angle) @ 5 meters

POWER

Mains: 100 - 240 VAC, 50/60 Hz

Consumption: 310W @ 230V Power connections: PowerCon In/Out

KEY FEATURES

Color mixing: RGBW
Macros: Colors, Strobe

Strobe: $1 \sim 30$ Hz + strobe effects

Dimming: 0-100% with 4 dimming curve modes

Pan movement: 540° Tilt movement: 270°

Pan/Tilt modes: Normal / Turbo

CONTROL

Protocol: DMX, RDM
DMX channels: 16 / 20

Data connections: XLR In/Out for DMX

Onboard menu: TFT display with 4-button navigation

PHYSICAL

Material: Plastic and aluminium

Finish: Matte black

IP rating: IP20

Cooling: Active (variable speed fan + silent mode)

Dimensions: 249 x 183 x 345 mm

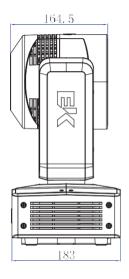
Weight: 6.6 KG

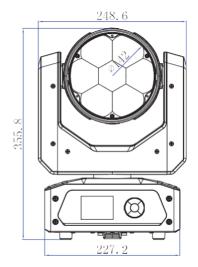
Mounting: Omega Bracket (included)

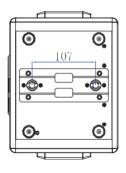
Package
contents

- R3
- Power cable
- Mounting bracket
- User manual Warranty card

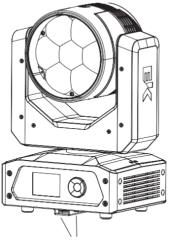
DIMENSIONS



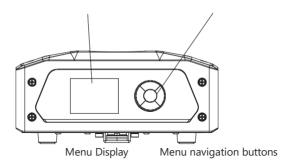


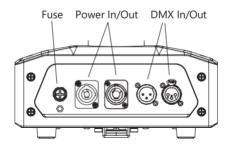


OVERVIEW



Omega bracket mounting plate





FUNCTIONS and OPERATION

POWER ON/OFF

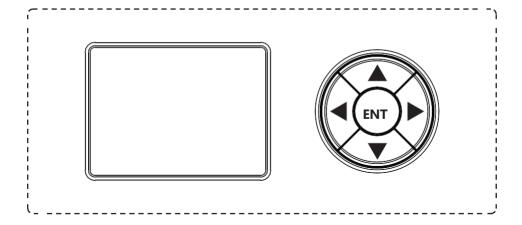
The fixture is powered on by connecting the included power cable to mains power (100 - 240 VAC, 50/60 Hz). Upon receiving power, the fixture will cycle through a motor reset program. To power off, disconnect the power cable or turn off power remotely using a switch.

MENU NAVIGATION

The control panel features five-button navigation of the onboard menu.

If the panel is password-protected, go to the Advanced menu, in the Menu locking submenu, enter the Unlock code using the navigation buttons:

1234



UP	DOWN	LEFT	RIGHT	ENTER
Increase the displayed value, or scroll thru	Decrease the displayed value, or scroll thru	Return to higher menu levels	Advance displayed unit values by 10v and 100v	Confirm displayed values, or activate displayed functions, or enter submenus

	Main Menu	Submenu	Submenu	Submenu	Default s
		DMX Address	1-512		Default: 1
1	SETUP		16CH		
		DMX Channel	20CH		Default:Basic 20CH
				Off	
			Invert Pan	On	Default: Off
				Off	
			Invert Tilt	On	Default: Off
				Off	
			Swap Pan-Tilt	On	Default: Off
				Off	
			Encoder Pan -Tilt	On	Default: On
				Standard	
			P/T Homing Mode	Sequenced	Default: Standard
				0 degree	
		Pan / Tilt		90 degrees	
			Pan Home Def Pos	180 degrees	Default: 270 degree
				270 degrees	
			Tilt Home Def Pos	0%	
	2 OPTION			12.50%	
				25%	
2				50%	Default: 50%
2	or now			75%	
				87.50%	
				100%	
			D/T Frable	On	Defaults On
			P/T Enable	Off	Default: On
		Display	Off		Default: Off
		Display	On		Delault. Oil
		Warning Cue	Off		Default: Off
		- Training cac	On		Sciaditi Gii
		Fan Mode	Auto		Default: Auto
		Tarriviode	SLN		Delault. Auto
			Dan / Tilt speed	Normal	Default: Fast
			Pan / Tilt speed	Fast	Delault: Fast
				Dimmer Curve 1	
		Special Functions		Dimmer Curve 2	
			Dimmer Curve	Dimmer Curve 3	Default: Dimmer Curve 1
				Dimmer Curve 4	
				Gamma 1.0	
			RGB Gamma	Gamma 1.5	Default: Gamma 2.0
				Gamma 2.0	
				Guillilla 2.0	

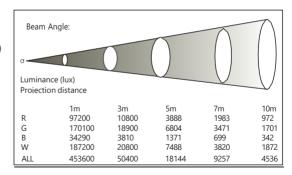
	Main Menu	Submenu	Submenu	Sub	omenu	Default s
				600Hz		
				1200Hz		
		Special Functions		2000Hz		Ī
			PWM Frequency	4000Hz		Default:2000Hz
				6000Hz		
2	OPTION			25000Hz		
	OF HON			Reset To Default	Are you sure ?	
			Default Preset	Go Back	Yes / No	
				Load preset 1	Are you sure ?	1
			User Preset 1	Save to preset 1	Yes / No	
		Setting		Load preset 2	Are you sure ?	1
			User Preset 2	Save to preset 2	Yes / No	
				Load preset 3	Are you sure ?	1
			User Preset 3	Save to preset 3	Yes / No	
		System Errors				
			Total Hours			
		Fixture Hours		Reset		
			Partial Hours	Go Back		
			Total Hours			
		Led Hours		Reset		
			Partial Hours	Go Back		
3	INFORMATION		DISP:V1.0			
		System Version	CTR1-XY:V1.0			
		System version	CTR2-MOTOR:V1.0			
			CTR3-MOTOR:V1.0			
		DMX Monitor				
		Fans Monitor	Base Fan 100%			
			Led Fan 100%			
		UID	030F050****			



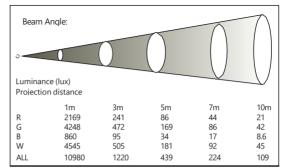
	Main Menu	Submenu	Submenu	Subr	nenu	Default s
		Deset	No			
4	MANUAL CONTROL	Reset	Yes			
4	WANDAL CONTROL	Channel				
		Pan/Tilt				
_	TECT	Colour				
5	5 TEST Zoom	Zoom				
		All				
				Pan Offset	000-255	
				Tilt Offset	000-255	
				Zoom Offset	000-255	
6	ADVANCED		Calibration	Red	125-255	
				Green	125-255	
				Blue	125-255	
				White	125-255	
			Menu Locking	Unlock Code		Default: 1234
			INIGHU LOCKING	XXXX		Delault, 1234

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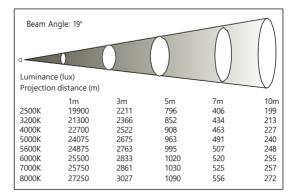
PHOTOMETRICS (4° RGBW Beam)



PHOTOMETRICS (34° RGBW Wash)



PHOTOMETRICS (19° White Spot)



TM-30-15rg/rf

TLCI

White color temp presets:

•2500K:	94.3	97.1	113/83	66.3
•3200K:	95.4	94.8	106/91	84.4
•4000K:	94	93.2	106/91	84.6
• 5000K:	92.7	97.7	106/91	83.8
• 5600K:	91.4	90.3	106/90	85
•6000K:	90.8	97.3	107/89	85.6
• 7000K :	90.1	98	107/88	87.8

R9

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MASTER / SLAVE LINKING

In a connected series of the same fixture, when not using an external controller, a master unit can be assigned to control slave units in the series.

- Set the first fixture in the series to MASTER in the onboard menu
- Set subsequent fixtures to SLAVE
- Connect the DMX OUT of the master unit to the DMX IN of the first slave unit
- Daisy-chain subsequent slave units from DMX OUT to DMX IN

DMX STARTING ADDRESS

To set the starting address of each fixture:

- Press the ENTER button and use the UP/DOWN buttons to scroll the menu
- Select the CONNECT menu and press ENTER
- Use the UP/DOWN buttons to scroll to the ADDRESS menu
- Press ENTER and use the UP/DOWN buttons to select the DMX address
- Press ENTER to confirm the chosen DMX address
- Press the MENU button to save changes and exit

EXAMPLE OF DMX ADDRESSING

The below table shows an example of starting addresses for four fixtures assuming a first fixture with starting address of 001.

The actual starting addresses will be determined by the operator as needed to match external controller settings.

DMX ALLOCATION	1st	2nd	3rd	4th
	Fixture	Fixture	Fixture	Fixture
20 channels	001	021	041	061

16CH	20CH			
1	1	Red	000-255	
	2	Red Fine	000-255	
2	3	Green	000-255	
	4	Green Fine	000-255	
3	5	Blue	000-255	
	6	Blue Fine	000-255	
4	7	White	000-255	
	8	White Fine	000-255	
			000-009	OFF
			010-053	8000K~7000K
			054-098	7000K~6000K
			099-116	6000K~5600K
5	9	сто	117-143	5600K~5000K
5	9	CIO	144-187	5000K~4000K
			188-223	4000K~3200K
			224-254	3200K~2500K
			255	2500K
			000-009	Macro Color OFF
			10	Red
			11	Green
			12	Blue
			13	Cyan
			14	Yellow
			15	Magenta
			16	White 7000K
			17	White 3700K
			18	White 5000K
			19	Black
			020-022	Medium Yellow
			023-026	Straw Tint
			027-028	Surprise Peach
			29	Fire
			30	Medium Amber
6	10	Macro color	31	Gold Amber
			032-034	Dark Amber
			035-044	Sunrise Red
			45	Light Pink
			046-048	Medium Pink
			049-061	Pink Carnation
			062-067	Light Lavender
			068-077	Lavender
			078-088	Sky Blue
			089-099	Just Blue
		1		

110-111 Spring Yellow 112 Light Amber 113 Stra 114 Deep amber 115-116 Orange 117 Light Rose 118 English Rose 119 Light Salmon 120 Middle Rose 121-122 Dark Pink 123-124 Magenta 125 Peacock Blue 126 Med Blu Green 127 Steel Blue 128 Light Blue 129-130 Dark Blue 129-130 Dark Blue 131-133 Lark Green 134-135 Dark Green 134-135 Dark Green 136-137 Mauve 138-141 Bright Pink 143-144 Medium Blue 145 Deep Golden Amber 146 Pale Lawender 147-148 Special Lavender 147-148 Special Lavender 147-148 Primary Green 151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Davlight Blue 179-179 Ulac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White		ı	1	ı	1
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123-124 Magenta 125 Peacock Blue 126 Med Blu Green 127 Steel Blue 128 Light Blue 129-130 Dark Blue 131-133 Leaf Green 134-135 Dark Green 136-137 Mauve 138-141 Bright Pink 142-144 Medium Blue 145 Deep Golden Amber 146 Pale Lavender 147-148 Special Lavender 149-150 Primary Green 151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 207 Alice Blue 208 Dirty White				120	Middle Rose
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126 Med Blu Green 127 Steel Blue 128 Light Blue 129-130 Dark Blue 131-133 Leaf Green 134-135 Dark Green 136-137 Mauve 138-141 Bright Pink 142-144 Medium Blue 145 Deep Golden Amber 146 Pale Lavender 147-148 Special Lavender 149-150 Primary Green 151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Ulac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue				123-124	Magenta
127 Steel Blue 128 Light Blue 129-130 Dark Blue 131-133 Leaf Green 134-135 Dark Green 136-137 Mauve 138-141 Bright Pink 142-144 Medium Blue 145 Deep Golden Amber 146 Pale Lavender 147-148 Special Lavender 149-150 Primary Green 151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Ulac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue				125	Peacock Blue
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Macro color				136-137	Mauve
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146 Pale Lavender 147-148 Special Lavender 149-150 Primary Green 151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 207 Alice Blue 208 Dirty White	6	10	Macro color	142-144	Medium Blue
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151-156 Bright Blue 157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				147-148	Special Lavender
157-161 Apricot 162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				149-150	Primary Green
162-167 Pale Gold 168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				151-156	Bright Blue
168-171 Deep Orange 172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				157-161	Apricot
172-173 Bastard Amber 174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				162-167	Pale Gold
174 Flame Red 175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				168-171	Deep Orange
175-178 Daylight Blue 179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				172-173	Bastard Amber
179 Lilac Tint 180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				174	Flame Red
180-183 Deep Lavender 184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				175-178	Daylight Blue
184-190 Dark Steel Blue 191-206 Congo Blue 207 Alice Blue 208 Dirty White				179	Lilac Tint
191-206 Congo Blue 207 Alice Blue 208 Dirty White				180-183	Deep Lavender
207 Alice Blue 208 Dirty White				184-190	Dark Steel Blue
208 Dirty White				191-206	Congo Blue
				207	Alice Blue
209-255 White				208	Dirty White
				209-255	White

			000-003	Closed
			004-103	Slow to Fast Strobe(1-25Hz)
			104-107	Open
			108-207	Slow to Fast Pulsation
7	11	Strobe	208-212	Open
,		5.1000	213-225	Random Slow Strobe
			226-238	Random Medium Strobe
			239-251	Random Fast Strobe
			252-255	Open
8	12	Dimmer	000-255	
9	13	Dimmer Fine	000-255	
10	14	Pan	000-255	
11	15	Pan Fine	000-255	
12	16	Tilt	000-255	
13	17	Tilt Fine	000-255	
14	18	Zoom	000-255	Zoom linearly moves from narrow to wide beam
			000-011	None
			012-024	Fast P&T speed (Default)
			025-037	Normal P&T speed
			038-042	Dimmer curve 1 (Default)
			043-047	Dimmer curve 2
			048-052	Dimmer curve 3
			053-057	Dimmer curve 4
			058-062	Raw color channels gamma 1
			063-067	Raw color channels gamma 1.5
15	19	Function	068-072	Raw color channels gamma 2.2 (Default)
			073-077	Color Calibration Off (Dafault)
			078-082	Color Calibration Adjust
			083-087	Color Calibration Calibration (Only Base Mode)
			088-167	FREE
			168-188	PWM frequency=600Hz
			189-199	PWM frequency=1200Hz (Default)
			200-210	PWM frequency=2000Hz
			211-221	PWM frequency=4000Hz
			222-232	PWM frequency=6000Hz
			233-243	PWM frequency=25000Hz
			244-255	Default function recall
			000-025	No Function
			026-076	Zoom Reset (Hold 5S)
16	20	Reset	077-127	Pan / Tilt Reset (Hold 5S)
			128-255	Complete Reset (Hold 5S)
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SET UP MENU

DMX ADDRESS: Set starting address value

DMX CHANNEL: Select 16- or 20-channel mode

OPTION MENU

PAN / TILT: Set values for: • Invert Pan

Invert Tilt

• Swap Pan-Tilt • Encoder Pan-Tilt

• Pan/Tilt Homing Mode Pan Home Default Position • Tilt Home Default Position

• Pan/Tilt Enable

DISPLAY: Set display behavior (on/off)

FAN MODE: Select Auto or Silent fan mode

SPECIAL FUNCTIONS:

Pan/Tilt speed: Select Normal or Fast

Dimmer curve: Select one of four dimmer curves

RGB Gamma: Select desired gamma setting

• PWM Frequency: Select frequency to avoid camera flicker

SETTING: Load parameter presets for: Factory defaults

• User presets 1

User presets 2

User presets 3

INFORMATION MENU

Displays stored data and values for:

- System errors
- Fixture operating hours
- LED hours
- System firmware versions
- DMX monitor
- Fans monitor
- Unique RDM identifier

MANUAL CONTROL

RESET: Force fixture to reset

CHANNEL: Set output for each DMX channel

TEST MENU

Run live tests of these functions:

• Pan / Tilt

• Color

• Zoom

All

ADVANCED MENU

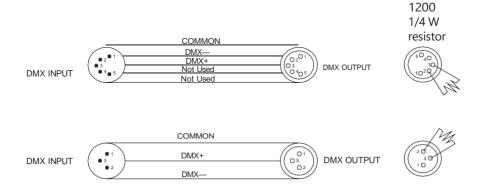
Enter access code (default: 1234) to calibrate physical offsets of the pan, tilt, zoom, and to adjust individual red, green, blue and white LED output to achieve proper white balance.



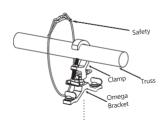
DMX CABLE PIN-OUTS and TERMINATION

Depending on the length of the DMX cable run, or other factors, it may be advisable to install a terminator at the last fixture in the run.

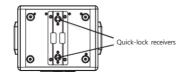
The illustration below shows the correct placement of a 1200 0.25W resistor in a terminator, as well as the standard DMX signal pin-outs.



INSTALLATION







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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.



SAFFTY

General instruction

- The products referred to in this manual conform to the European Community Directives and are there- fore marked with **c**€.
- 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
- The connection to the main network of electric distribution must be carried out by a qualified electrical
 units from indirect contact and/or shorting to earth by using appropriately sized residual current
 devices.
 - 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
 - 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.
 com- ply scrupulously with all the regulations (particularly regarding safety) currently in force in the country
- 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
- Never look directly at the light beam. Please note that fast changes in lighting, e. g. flashing light, may deformed. 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.

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- 1.2 - 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.

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 regularlyInstall lens assembly properly
Fixture does not power up	 No power Loose or damaged power cord Faulty internal power supply 	Check for power on power outletCheck power cordReplace internal power supply



	 Wrong DMX addressing 	Check control panel and unit
Fixture does not	 Damaged DMX cables 	addressing
respond to DMX	 Bouncing signals 	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.

