1830 Wall Washer IP
User Manual

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TECHNICAL PARAMETERS

Light source

Voltage: AC100-240V, 50/60Hz

Power: 380W

Light Source: 18X30W RGBW 4in1 LED

Lifespan: around 100,000 hours

Optical

Dimmer: 0-100%

Strobe: 0-20Hz

Beam angle: 25º (15°/45°/60°optional)

Controls

Control: DMX 512,5/8/15/32/72CH

Control Mode: DMX, Auto, Master/Slave mode

Display: OLED color display with 4 touch buttons

Power connection IP65 Seetronic power connectors input/output

Data connection IP65 Seetronic DMX connectors input/output

Construction

Heat dissipation: intelligent temperature control, active

Maximum ambient temperature 40°C
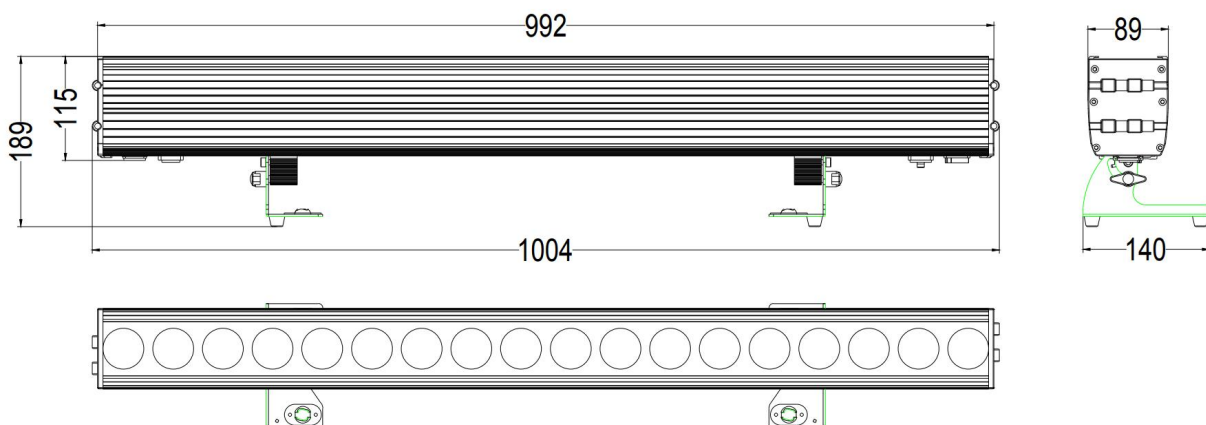
Minimum ambient temperature -20°C

Maximum case temperature 65°C

Weight&Dimension

IP Rating: IP65

N.W: 7KG

SIZE DRAWING

Part 1 PRDUCT

1.1 Product introduction

This product is designed for indoor/outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

1.2 Safety Warning

IMPORTANT:

ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.

● This product must be installed by a qualified professional.
● Always operate the equipment as described in the user manual.
● A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
● The product must always be placed in a well ventilated area.
● Always make sure that the equipment is installed securely.
● DO NOT stand close to the equipment and stare directly into the LED light source.
● Always disconnect the power supply before attempting and maintenance.
● Always make sure that the supporting structure is solid and can support the combined weight of the products.
● The earth wire must always be connected to the ground.
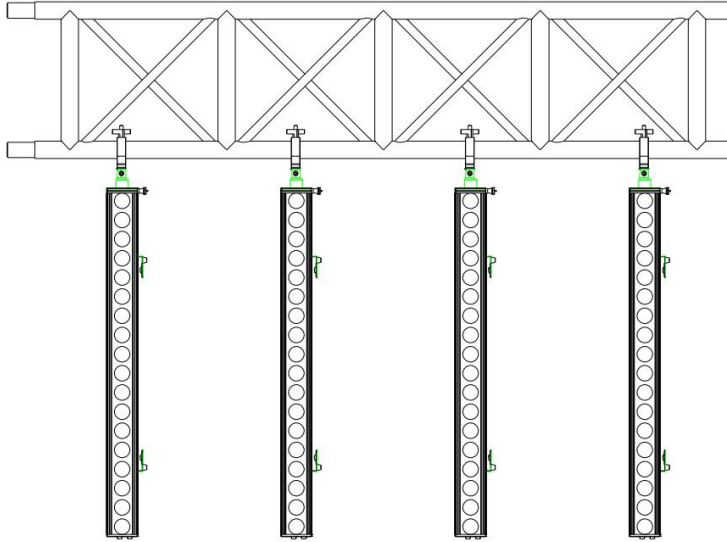● Do not touch the power cables if your hands are wet.

ATTENTION:
● This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
● Avoid shaking or strong impacts to any part of the equipment.
● Make sure that all parts of the equipment are kept clean and free of dust.
● Always make sure that the power connections are connected correct and secure.
● If there is any malfunction of the equipment, contact your distributor immediately.
● When transferring the product, it is advisable to use the original packaging in which the product left the factory.
● 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.

PART 2 INSTALLATION

2.1 Mounting:

2.1-1 Hanging

The product 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

2.1-2 Upright

The product can be mounted in an upright or sitting position using the supporting brackets.

NOTE:

The product can be mounted at any angle and in any position. It is possible to further adjust the angle of the product using the two adjustment knobs located on the side of the fixture.

2.2 DMX Channel instruction

5 Channels Mode

Channel	Value	Funciton
CH1	0-255	Master dimming (0-100%)
CH2	0-255	Red (0-100%)
CH3	0-255	Green (0-100%)
CH4	0-255	Blue (0-100%)
CH5	0-255	White (0-100%)

8 Channels Mode

Channel	Value	Funciton
CH1	0-255	Master dimming (0-100%)
CH2	0-255	Red (0-100%)
CH3	0-255	Green (0-100%)
CH4	0-255	Blue (0-100%)
CH5	0-255	White (0-100%)
CH6	0-12	No function

	13-255	Strobe from slow to fast
CH7	0-9	No function
	10-99	Color Macro(Hue), level 90
	100-139	4 colors change
	140-179	7 colors change
	180-209	7 Colors Fade
	210-229	7 Colors Strobe 1
	230-255	7 Colors Strobe 2
CH8	0-255	Auto speed, slow to fast

15 Channels Mode

Channel	Value	Funciton
CH1	0-255	Master dimming (0-100%)
CH2	0-255	Strobo(Rate 0-100%)
CH3	0-255	Red (0-100%)
CH4	0-255	Green (0-100%)
CH5	0-255	Blue (0-100%)
CH6	0-255	White (0-100%)
CH7	0-9	No function
	10-255	Colo 1-18
CH8	0-9	No function
	10-19	Auto program1
	20-29	Auto program2
	30-39	Auto program3
	40-49	Auto program4
	50-59	Auto program5
	60-69	Auto program6
	70-79	Auto program7
	80-89	Auto program8
	90-99	Auto program9
	100-109	Auto program10
	110-119	Auto program11
	120-129	Auto program12
	130-139	Auto program13
	140-149	Auto program14
	150-255	Auto program15
CH9	0-255	Auto program Speed
CH10	0-255	Auto program Custom Color
CH11	0-255	Auto program Custom Color Speed
CH12	0-255	Custom Effect Color
CH13	0-255	Background dimming (0-100%)
CH14	0-255	Custom background Color
CH15	0-127/128-255	Direction

32 Channels Mode

Channel	Value	Funciton
CH1	0-255	Master dimming (0-100%)
CH2	0-255	Strobo(RGB) (Rate 0-100%)
CH3	0-255	Red (0-100%)
CH4	0-255	Green (0-100%)
CH5	0-255	Blue (0-100%)
CH6	0-255	White (0-100%)
CH7	0-9	No function
	10-19	LED1 Red
	20-29	LED1Green
	30-39	LED1 Blue
	40-49	LED1 White
	50-59	LED1 R +G
	60-69	LED1 R+B
	70-79	LED1 G+B
	80-89	LED1 R+W
	90-99	LED1 G+W
	100-109	LED1 B+W
	110-119	LED1 R+G+W
	120-129	LED1 R+B+W
	130-139	LED1 G+B+W
	140-255	LED1 R+G+B+W

CH24	0-9	No function
	10-19	LED18 Red
	20-29	LED18 Green
	30-39	LED18 Blue
	40-49	LED18 White
	50-59	LED18 R +G
	60-69	LED18 R+B
	70-79	LED18 G+B
	80-89	LED18 R+W
	90-99	LED18 G+W
	100-109	LED18 B+W
	110-119	LED18 R+G+W
	120-129	LED18 R+B+W
	130-139	LED18 G+B+W
	140-255	LED18 R+G+B+W
CH25	0-9	No function
	10-19	Auto program1

	20-29	Auto program2
	30-39	Auto program3
	40-49	Auto program4
	50-59	Auto program5
	60-69	Auto program6
	70-79	Auto program7
	80-89	Auto program8
	90-99	Auto program9
	100-109	Auto program10
	110-119	Auto program11
	120-129	Auto program12
	130-139	Auto program13
	140-149	Auto program14
	150-255	Auto program15
CH26	0-255	Auto program Speed
CH27	0-255	Auto program Custom Colo
CH28	0-255	Auto program Custom Colo Speed
CH29	0-255	Custom Effect Color
CH30	0-255	Background dimming (0-100%)
CH31	0-255	Custom Background Color
CH32	0-127/128-255	Custom Direction

72 Channels Mode

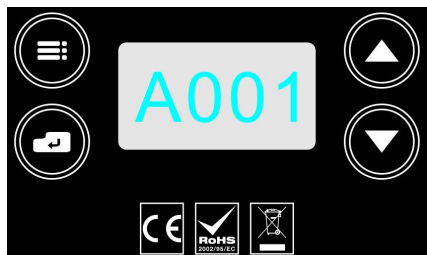| Channel	Value	Funciton
CH1	0-255	Red1 (0-100%)
CH2	0-255	Green1 (0-100%)
CH3	0-255	Blue1 (0-100%)
CH4	0-255	White1 (0-100%)

CH69	0-255	Red 18 (0-100%)
CH70	0-255	Green 18 (0-100%)
CH71	0-255	Blue 18(0-100%)
CH72	0-255	White 18(0-100%)

2.3 Special construction for DMX connection

☆ At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

☆ If the controller is 5-pin output, it's necessary to use an adaptor to transfer signal from 5-pin output to 3-pin XLR-plug or you can connect cables as following:

3-PIN TO 5-PIN CONRERSION CHART

Conductor	3 Pin Female（Output）	5 Pin Male（Input）
Ground/Shiele	Pin 1	Pin 1
Data（-）signal	Pin 2	Pin 2
Data（+）signal	Pin 3	Pin 3
Not used		Pin 4
Not used		Pin 5

PART 3 Display Panel Operation

3.1 Display panel menu instruction

 [MENU] menu selection or return to previous menu.

 [ENTER] confirm current function setting.

 [UP] press [UP] through the menu list to increase/change the value of

the current function.

 [DOWN] press [DOWN] through the menu list to decrease/change the value of the current function.

3.2 Display Menu instruction (general)

Main Menu	Sub-Menu1	Sub-Menu 2
DMX	DMX Address	1-512
	Channel Mode	5CH
		8CH
		15CH
		32CH
		72CH
	No DMX Status	Blackout
		Hold
		Auto
SET	Display Invert	Yes/No
	Backlight	Off 2 min
	Key Lock	ON/OFF
	Language	English/Chinese
MANUAL	RED	0-255
	Gren	0-255

	Blue	0-255
	White	0-255
	Dimmer	0-255
	Strobe	0-255
AUTO	Scene	1-15
	Speed	1-100
INFO	Firmware Version	V3.02

REMARK

The product has perfect performance and intergrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren 't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company 's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.