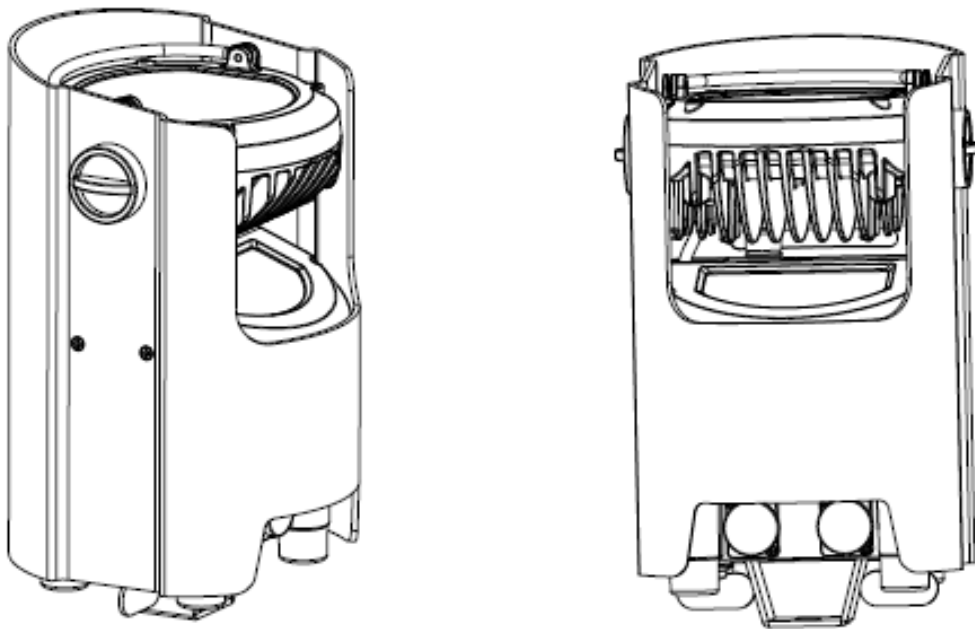# PLUSBAT-PL083

IP54 Battery Uplight

User Instructions

Unpacking: Thank you for purchasing the PLUSBAT PL083 by PLUSLITE Products. Every PLUSBAT PL083 has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the ship- ping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The PLUSBAT PL083 is a DMX intelligent, IP rated LED battery uplight fixture. This fixture can be used in a stand alone mode or connected in a Master/Slave configuration. This par has multiple operating modes: RGBW dimmer mode, Static Color mode, Auto Run mode, Color Macro mode, and DMX control. ***This product is intended to be used by professionally trained personnel only and is not suitable for private use.***

These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact Più39.

PLEASE recycle the shipping carton when ever possible.

PLUSBAT-PL083	Synopsis

- Light source: 4 X 12W RGbW LEDs
- Drive current:650mA
- Liminus flux: 1580
- Long battery life Eco mode extended battery Life
- Input Voltage:I00-240V AC.50/60Hz
- Baltlery storage: 15.6Ah
- Operating time:8 hours at full RGBW on
- Charging time: 6 hours
- Battery type: Litium ion
- Vottage: 16.SV
- IP rating:IP54
- Wireless DMX
- OLED display
- Control Protocol:DMX512 via wireless/ DMX512
- DMX channels:4,6 or 10 channels
- Control modes: Built-in programs, Auto, Manual, Master/Slave, DMX, W-DMX
- Beam angle: 10°
- Dimmer: 0-100%
- Strobe: 0- 15Hz
- Housing: Back aluminum and iron
- Connections: 3-pin XLR IN/OUT IP54
- Cooling: Aluminum heatsink
- T° OperationT: -20°C -40°C
- Dimensions: 195 x 160 x 260 mm (LxWxH) Weight: 5.0 Kg

The PLUSBAT PL083 carries a 2 years limited warranty. All returned service items whether under warranty or not, must be accompany a return authorization (R.M.A.) number. The R.M.A. number must be clearly written on the out- side of the return package. A brief description of the problem as well as the R.M.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.M.A. number by contacting. our customer support team on our customer support number. All packages returned to the service department not displaying a R.M.A. number on the outside of the package will be returned to the shipper. Shipping costs are charged to the customer.

PLUSBAT-PL083   **Installation**

The unit can be used onground or can be mounted using a mounting clamp (not provided).
The equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of people's grasp.

Ensure ALL connections and end caps are properly sealed with a non-conductive dielectric grease (available at most electrical suppliers) to prevent water ingress/condensation and/or corrosion

Before plugging fhe unit in.always make sure that the power supply matches the product specification voltage.
Do not attempt to operate a 120V specification product on 230V power.

Charging the built in baltery

1)   In order to chorge the bottery you need the optional charger (not included)
2)   Turnoff the power.
3)   Connect the PLUSBAT on the charger
4)   Please make sure that the battery socket from the PLUSBAT is perfectly fixed
5)   Connect the chorger to a powetCON to Schuko power cable.
6)   Then plug the other end of the powerCON to Schuko power cable into a proper electric power supply socket.
7)   Charge the batlery wtthin 6 hours.
8)   The four LEO indicators from the charger will light up green when the PLUSBATis fully charged.

- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.

- Disconnect from main power before making any type of connection.

- Do not remove the cover under any conditions. There are no user serviceable parts inside.

- Never operate this unit when it's cover is removed.

- Never plug this unit in to a dimmer pack

- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.

- Do not attempt to operate this unit, if it becomes damaged.

- During long periods of non-use, disconnect the unit's main power.

- Always mount this unit in safe and stable matter.

- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.

- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 24 for cleaning details.

- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

- The fixture should be serviced by qualified service personnel when:

  A. The power-supply cord or the plug has been damaged.

  B. Objects have fallen, or liquid has been spilled into the fixture.

  C. The fixture does not appear to operate normally or exhibits a marked change in performance.

  D. The fixture has fallen and/or subjected to extreme handling.

IP54 RATED

An IP rated lighting fixture is one, which is commonly installed in outdoor environments and has been designed with an enclosure that effectively water. The **International Protection (IP)** rating system is commonly expressed as **"IP"** (Ingress Protection) followed by two numbers (i.e. IP54) where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An IP54 rated lighting fixture is one, which has been designed and tested to protect against the ingress of dust (5) and low-pressure water jets from any direction (4).

MARINE/COASTAL ENVIRONMENT INSTALLATIONS!

Please note although this fixture is IP rated, the fixture is NOT suitable for marine and/or coastal environment installations. Installing this fixture in a marine and/or coastal environment may cause corrosion and/or excessive wear to the interior and/or exterior components of the fixture. Damages and/or performance issues resulting from installation in a marine and/or coastal environment will void the manufactures warranty and will NOT be subject to any warranty claims and/or repairs.

Top

Adjustment knob
4 x 12W RGBW LEDs
OLEO display + control buttons

Sideback

Wireless DMX receiving antenna

Bottom

Power ON/OFF button
3-pin DMX IP54 signal connector IN/OUT
Mounting hole
Battery charger socket

This fixture has affluent effect programs . It can be operated easily.

- Auto running mode
- Built-in program mode - DMX mode
- Slave mode
- Dimming mode
- Setting mode
- Information mode

Menu

Menu1	Menu2	Menu3	Menu4	Functions
1:DMX	1)Address:	001-512		DMX mode
	2)Channels:	4/6/9-CH		
	3)W-DMX:	On/Off		
2:Slave				Slave mode
3:AUTO				Auto run mode
4:Program	1)Mode:	1-14		Built-in program mode
	2)Color:(Mode:1)	0-15		Static color
	2)Speed:(Mode:2-14)	1-100		Speed
	3)Strobe:	0-99		Strobe
5:Dimmer	1)Red:	000~255		Dimming mode
	2)Green:	000~255		
	3)Blue:	000~255		
	4)White:	000~255		
6:Settings	1)Curves Select:	1- 4		Dimming curve selection
	2)Dimmer Speed:	Fast/ Smooth		Dimming speed selection
	3)DMX Fail:	Off/Hold		DMX signal option
	4)ECO:	On/Off		Economy mode
	5)DMX Sync:	On/Off		DMX synchronization setting
	6)Lock	Yes/No		Lock screen setting
	7)Factory:	Yes/No		Restore factory set
7:Information	Versions:	Vx.x.x		Version display
	Temperature:	√/×		Temperature control detection
	WDMX:	On/Off		Wireless DMX mode

A. OPERATION

Press the MODE, UP or DOWN button to transform menus.

Operation Mode illustration

- **Auto running mode**

The light can run in according with the speed and strobe of built-in programs Pr.02~ Pr.14.

- **Built- in Program mode**

There are 14 built-in programs. Please press the setup button to enter and up or down button to select them. As followings:

1. Mode:01 Static color effect program

Mode:0	Color :	00~15
1	Strobe:	00~99

0. Black	1. Red	2. Green	3. Blue	4. White	5. Amber	6. Orange	.7 Yellow
8. Purple	9. Pink	10. Cyan	11. Light Red	12. Light Green	13. Light Blue	14. Warm White	15. Cold White

2. Mode:02~14 built-in effect programs.

Mode:02~14	Speed:	001~100
	Strobe:	00~99

- **Slave mode "SLAV"**

After connecting the DMX cable, the light will run with the main fixture at the same step.

- **DMX mode**

Press the setup button to enter and select by the up or down button.

DMX	
Address :	001~512
Channels :	4/6/9-ch

DMX Channel Sheet

Function	DMX Value	Setting		4 Channels	6 Channels	9 Channels
Dimmer	000-255	0~100%			1	1
Red	000-255	0~100%		1	2	2
Green	000-255	0~100%		2	3	3
Blue	000-255	0~100%		3	4	4
White	000-255	0~100%		4	5	5
Color Preset	0~15	No function				6
	16~31	R(255)G(0)B(0)W(0)				
	32~47	R(0)G(255)B(0)W(0)				
	48~63	R(0)G(0)B(255)W(0)				
	64~79	R(0)G(0)B(0)W(255)				
	80~95	R(255)G(150)B(0)W(0)				
	96~111	R(255)G(180)B(0)W(0)				
	112~127	R(255)G(255)B(0)W(0)				
	128~143	R(255)G(0)B(255)W(0)				
	144~159	R(255)G(0)B(140)W(0)				
	160~175	R(0)G(255)B(255)W(0)				
	176~191	R(255)G(0)B(0)W(210)				
	192~207	R(0)G(255)B(0)W(210)				
	208~223	R(0)G(0)B(255)W(210)				
	224~239	R(255)G(200)B(40)W(90)				
	240~255	R(255)G(255)B(255)W(255)				
Program	0	No function				7
	1~19	Program 02				
	20~39	Program 03				
	40~59	Program 04				
	60~79	Program 05				
	80~99	Program 06				
	100~119	Program 07				
	120~139	Program 08				
	140~159	Program 09				
	160~179	Program 10				
	180~199	Program 11				
	200~219	Program 12				
	220~239	Program 13				
	240~255	Program 14				
Speed	0-255	Slow to fast	Program 02-14			8
Strobe	0-10	No function			6	9
	11-255	Speed: slow to fast				

● **Dimming mode**

Please press the setup button to enter and select by the up or down button. As Follows：

Dimmer	Red:	000~255
	Green:	000~255
	Blue:	000~255
	White:	000~255

● **Setting mode**

Please press the setup button to enter and select by the up or down button. As Follows:
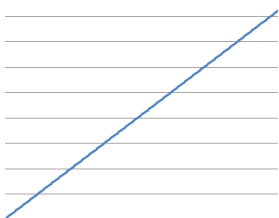
Settings	Curves Select
	Dimmer Speed
	DMX Fail
	ECO (Economy)
	Dmx Sync
	Lock
	Factory

1：Dimming curve setting

There are four available dimming curves. Please press the setup button to enter and select by the up or down button. As follows：

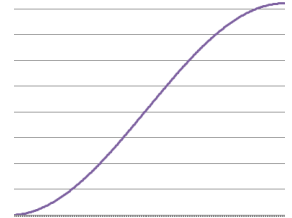| Curves Select	1)linear
	2)Square Law
	3)Inv Square Law
	4)S-Type

a. linear dimming

b. Square Law dimming
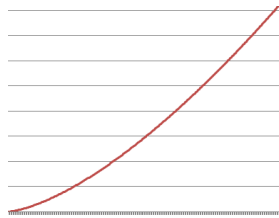
c. Inv Square Law dimming
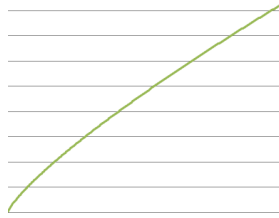
d. S-curve dimming

2：Dimming speed setting

Please press the setup button to enter and select by the up or down button. As follows：

Dimmer Speed	Fast
	Smooth

3：DMX Fail console DMX signal clear.

Please press the setup button to enter and select by the up or down button. As follows：

DMX Fail	Off	(DMX signal connection fail，light off)
	Hold	(DMX signal connection fail, lighting keeps current state)

4: ECO mode

Please press the setup button to enter and select by the up or down button. As follows：

ECO	On
	Off

5：DMX Sync

In DMX mode, several lights can also operate at the same step, even though no DMX control for a period of time.

Please press the setup button to enter and select by the up or down button. As follows：

DMX Sync	On
	Off

6：lock screen setting

Lock	Yes
	No

7：Restore factory set

After carry out this function, all data will restore initial state.

Please press the setup button to enter and select by the up or down button. As follows:

Factory	Yes
	No

● **Information mode**

Save related messages.

| Information	Versions :x.x.x
	Temperature:√/×
	WDMX:HOST/SLAVE

B.

Wireless DMX Usage

a. When the W-DMX is on, press WDMX for 3 seconds, unlock WDMX match condition.

b. When the W-DMX is off, the light don't receive WDMX signal.

C. Notice

    a. When products are power on, pressing the "MODE" and "SETUP" buttons for some seconds at the same time. Then they can restore factory settings and the data will be initialized.

    b. If no press any button in 30s, it will lock screen automatically and display percentage 0-100 of " lock" and "electric quantity"(These data is reference value. The electric quantity will change obviously when the lighting is on or off.)

    c. The products power on or open the light. If the LED display flash "temperature×" , to make sure they can operate normally, please check whether lines of internal temperature control connect well.

    d. The products power up. If the LED display will flash"fail"，the wireless DMX detection is wrong. Please check whether the wireless DMX is normal.

    e. In order to avoid any problem, please follow the user manual to make sure it is in safety operations.

    f. If the environment temperature is not in the using range, please reduce the using time of the full power to prevent products damaging because of overheating.

    g. In order to prevent the accident, please don't tear down the light under the condition of charging.

NOT TO SCALE

unit : mm

187

179

278

304

104
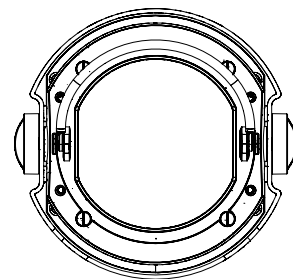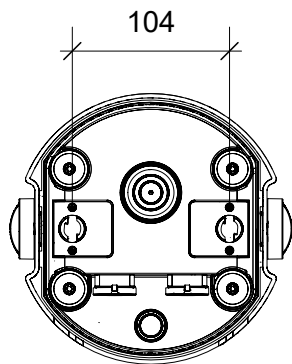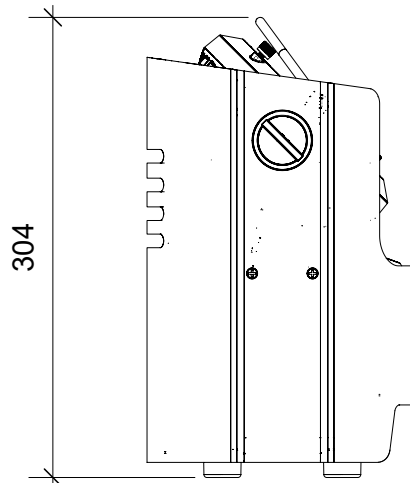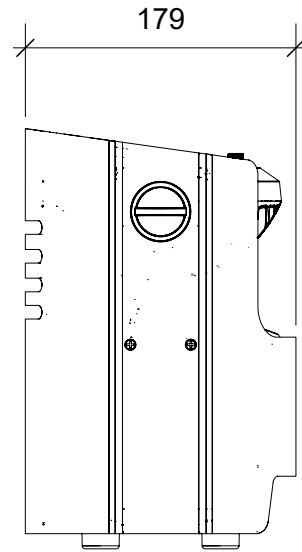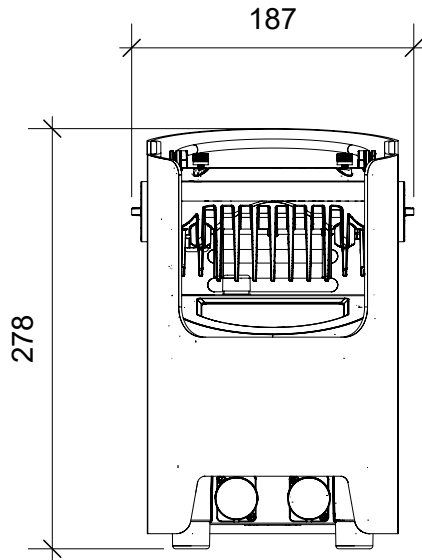
Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.

2. Clean the external optics with glass cleaner and a soft cloth every 20 days.

3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

Model: PLUSBAT-PL083   PLUS*lite*

Voltage:	110V ~ 240V/50~60Hz
LEDs:	4x12W RGBW LED's
IP Rating:	IP54
Drive current:	650mA
Charging Time:	6 hours
Operating Time:	8 hours on full RGBW
Weight:	5Kgs.
Dimensions:	195 x 180 x 280mm
Colors:	RGBW Color Mixing
DMX Channels:	DMX 512 4/6/10 ch
Warranty:	2 Year

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

+PLUS*lite*

www.pluslite.eu