Hello Again

Quick Start Guide

Welcome to your Aqua mini & Aqua Pro

Overview what's in the box

Aqua Pro [1]

Super bracket - Part A [1]

Super bracket - Part B [1]

Super bracket - Part C [1]

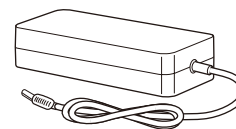Super bracket - Part D [1]

Aqua mini [1]

Super bracket - Part A [1]

Super bracket - Part B [1]

Super bracket - Part C [1]

Super bracket - Part D [1]
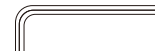
Accessories

Power adapter [1]

AC power cord [1]

2.0 Hex key [1]

3.0 Hex key [1]

Bracket screws [4]
(Stainless steel)

Bracket screws [2]
(Stainless steel)

Bracket screws [2]
(Plastic)

Hanging kits [1]
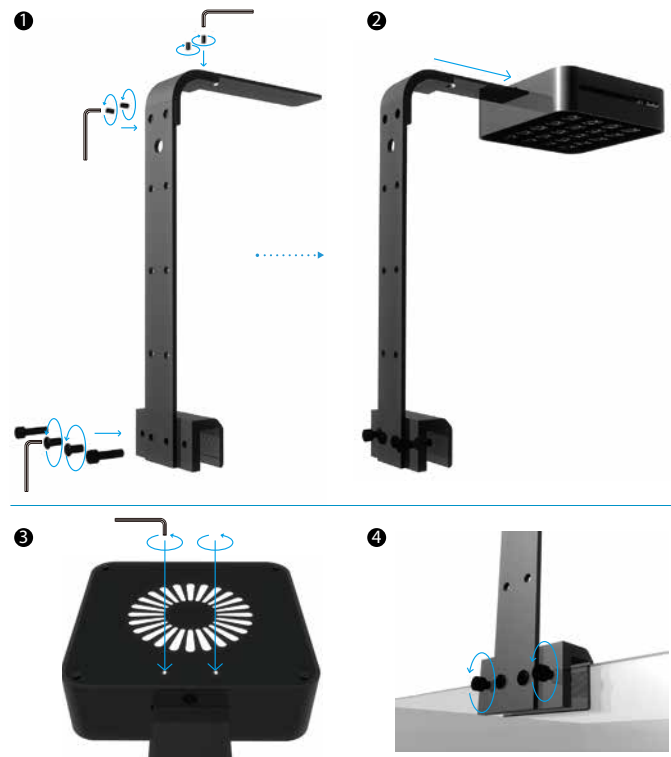(Optional)
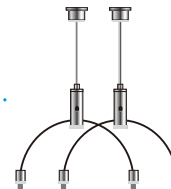
Lighting Specification

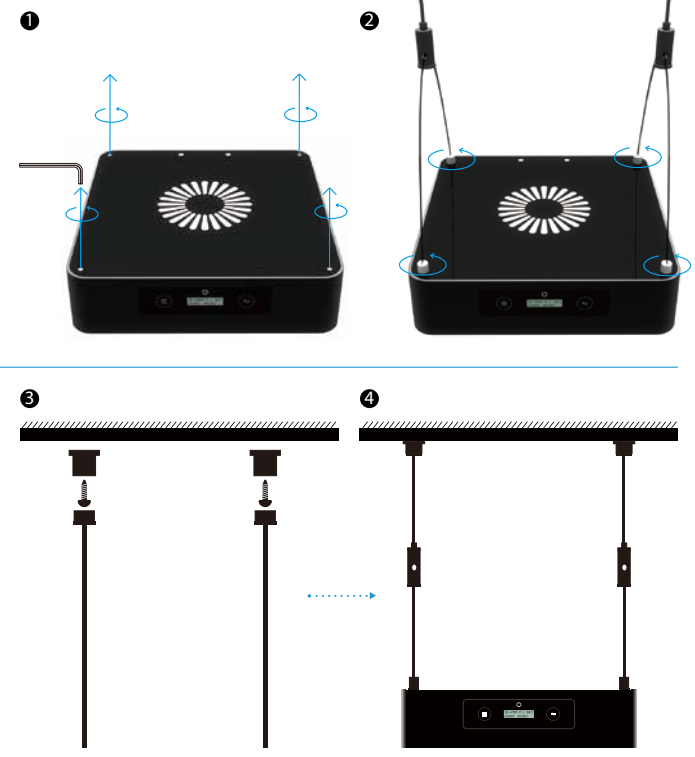|	**AQUA** MINI	**AQUA** PRO
Item No.	G3-AM	G3-AP
Power	60W	120W
LED Quantity	20pcs High Intensity	42pcs High Intensity
LED Brand	3W Bridgelux / Epistar LEDs	3W Bridgelux / Epistar LEDs
Light Weight	1.0kg (2.2pound)	2.0kg (4.4pound)
Shipping Weight	2.0kg (4.4pound)	3.5kg (7.7pound)
Size	140X140X46mm (5.5"x5.5"x1.8")	200X200X50mm (7.8"x7.8"x1.9")
Packing	310x180x70mm (12"x7.0"x2.8")	430x230x70mm (17"x9.0"x2.8")
Universal Input Range	AC80-240V, 2.0A	AC80-240V, 2.0A
Lighting Cover	Suit For Min: 240mm ~ Max: 600mm	Suit For Min: 400mm ~ Max: 900mm
PSU Certification	UL, CE, Rosh, PSE, SAA etc.	UL, CE, Rosh, PSE, SAA etc.

Getting Started

Congratulations on purchasing your Aqua mini & Aqua Pro. Read this guide to get started to installing your lighting.
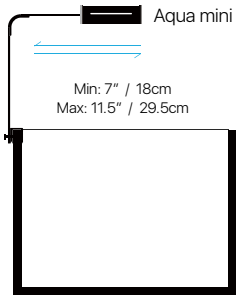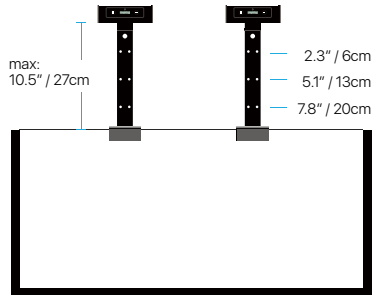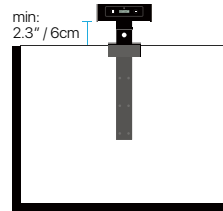
Super Bracket

❶

❷

❸

❹

Hanging Kits

❶

❷

❸

❹

Mount Specification

Aqua mini

Min: 7″ / 18cm
Max: 11.5″ / 29.5cm

max:
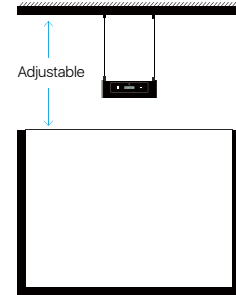10.5″ / 27cm

2.3″ / 6cm
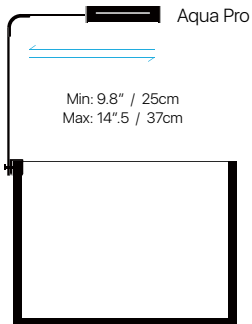5.1″ / 13cm
7.8″ / 20cm

min:
2.3″ / 6cm

Adjustable

Side Scalable Range

Up and Down Scalable Range

Lowest Height

Hanging Kits (optional)

Aqua Pro

Min: 9.8″ / 25cm
Max: 14″.5 / 37cm

max:
14.5″ / 37cm

3.5″ / 9cm
6.2″ / 16cm
9″ / 23cm
11.8″ / 30cm

min:
3.5″ / 9cm

Adjustable

Side Scalable Range
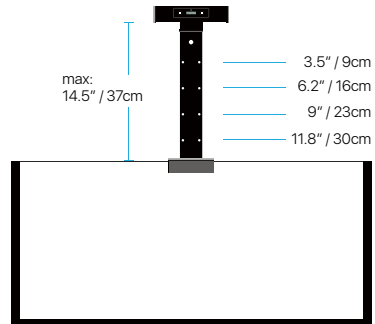
Up and Down Scalable Range

Lowest Height

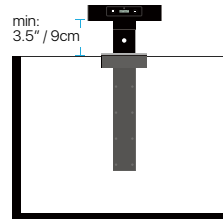Hanging Kits (optional)

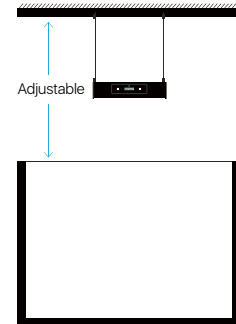# Aqua mini Performance

Marine Version

18inch. height

Aqua mini 24x24 inch area

Planted Version

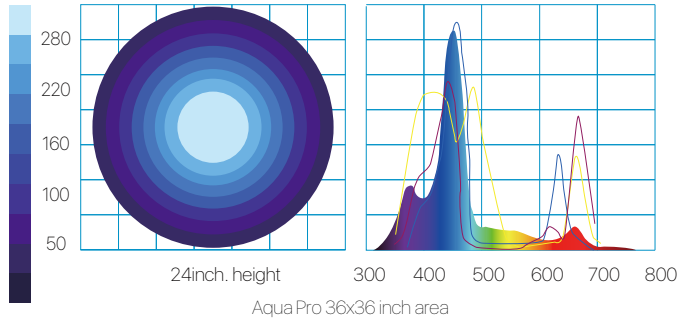18inch. height

Aqua mini 24x24 inch area
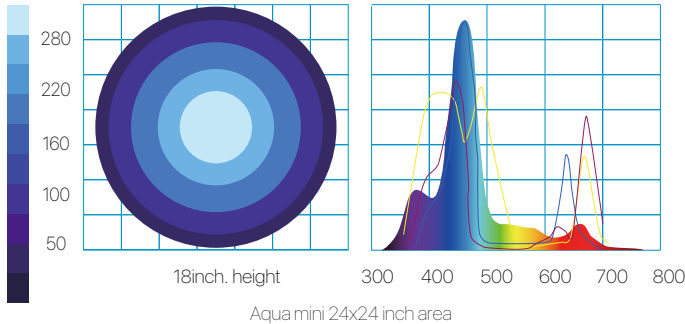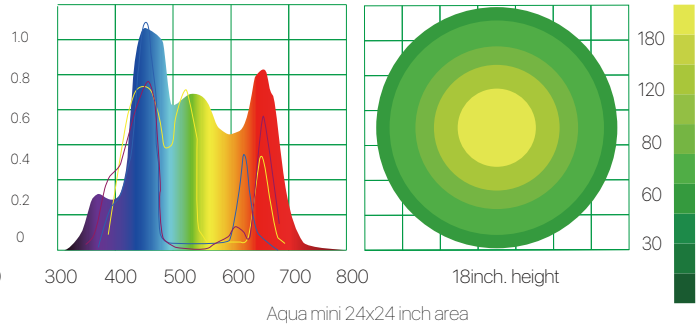
⬡ 7pcs – Cool White – (12000~16000K) Channel A - White
⬢ 7pcs – Royal Blue – (450~455nm) Channel B - Blue
⬢ 1pc – Blue – (470~475nm) Channel C - Special
⬢ 1pc – Violet – (410~415nm) Channel C - Special
⬢ 1pc – UV – (380~395nm) Channel C - Special
⬢ 1pc – Warm White – (3000~3500K) Channel C - Special
⬢ 1pc – Deep Red – (660~665nm) Channel C - Special
⬢ 1pc – Green – (510~520nm) Channel C - Special

⬡ 7pcs – White – (6000~6500K) Channel A - White
⬢ 7pcs – Cool White – (12000~16000K) Channel B - Blue
⬢ 1pc – Deep Blue – (470~475nm) Channel C - Special
⬢ 1pc – Violet – (410~415nm) Channel C - Special
⬢ 1pc – UV – (380~395nm) Channel C - Special
⬢ 1pc – Warm White – (3000~3500K) Channel C - Special
⬢ 1pc – Deep Red – (660~665nm) Channel C - Special
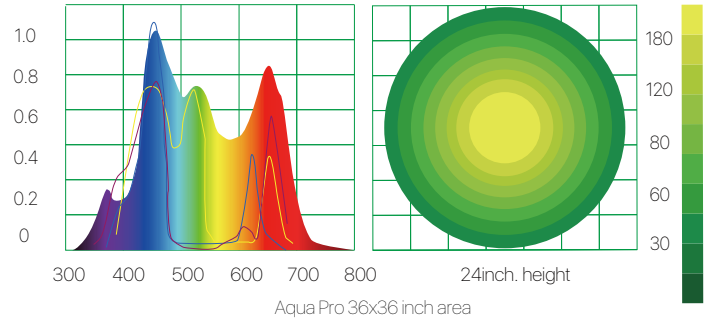⬢ 1pc – Green – (510~520nm) Channel C - Special

Aqua Pro Performance

Marine Version

280
220
160
100
50

24inch. height

300 400 500 600 700 800

Aqua Pro 36x36 inch area

Planted Version

1.0
0.8
0.6
0.4
0.2
0

300 400 500 600 700 800

180
120
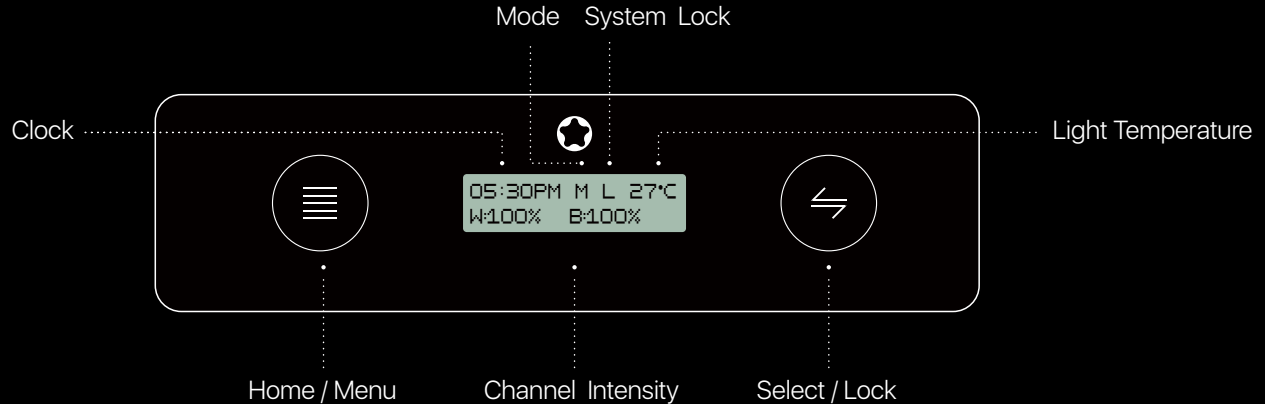80
60
30

24inch. height

Aqua Pro 36x36 inch area

⬡ 14pcs - Cool White - (12000~16000K) Channel A – White
🔷 14pcs - Royal Blue - (450~455nm) Channel B – Blue
🔵 6pcs - Blue - (470~475nm) Channel C – Special
🟣 2pcs - Violet - (410~415nm) Channel C – Special
🟪 2pcs - UV - (380~395nm) Channel C – Special
🟡 2pcs - Warm White - (3000~3500K) Channel C – Special
🔴 1pc - Deep Red - (660~665nm) Channel C – Special
🟢 1pc - Green - (510~520nm) Channel C – Special

⬡ 14pcs - White - (6000~6500K) Channel A – White
🔵 14pcs - Cool White - (12000~16000K) Channel B – Blue
🔵 4pcs - Blue – (470~475nm) Channel C – Special
🟣 2pcs - Violet - (410~415nm) Channel C – Special
🟪 2pcs - UV (380~395nm) Channel C – Special
🟡 2pcs - Warm White - (3000~3500K) Channel C – Special
🔴 2pcs - Deep Red - (660~665nm) Channel C – Special
🟢 2pcs - Green - (510~520nm) Channel C – Special

Smart Control System

Mode   System Lock

Clock

Light Temperature

```
05:30PM M L 27°C
W:100%  B:100%
```

Home / Menu

Channel Intensity

Select / Lock

Home / Menu - Browse menu.
Special Function 1 : Hold on 3 second to return to the previous menu.
Special Function 2 : Hold on 3 second under the screen locked to quickly switch the "Auto mode" and "Manual mode".

Select / Adjust - Enter the sub-menu to adjust the parameters.
Special Function 1: Hold on 3 second to unlock system.
Special Function 2: Hold on 3 second to lock system.

Setting Up Your Aqua mini & Pro now.

| Boot screen	Auto Mode		Manual Mode	
`Systems Loading` `iMOS 3.0M`	`05:30PM A L  33°C` `W:060%  B:060%`	`05:30PM A LT 33°C` `S:030%`	`05:30PM M L  33°C` `W:100%  B:100%`	`05:30PM M LT 33°C` `S:100%`
Boot screen	Home screen 1	Home screen 2	Home screen 1	Home screen 2

Note: "A" = Auto Mode, "M" = Manual Mode, "L" = Locked, "LT" = Lightning ON.

1) Set Clock

1. Hold ⟳ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⟳ Select/Lock to select 1) Set Clock menu
5. Press ⟳ Select/Lock to adjust Time.
6. Press ☰ Home/Menu to toggle through options
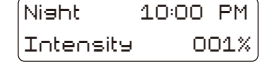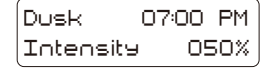7. Press ☰ Home/Menu to return to main menu
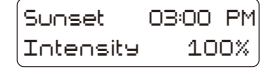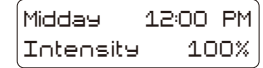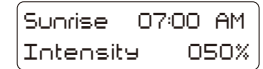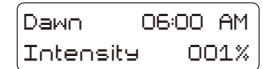
`1) Set Clock`
`2) Auto Mode`

`1) Set Clock`
`   10:29 AM`
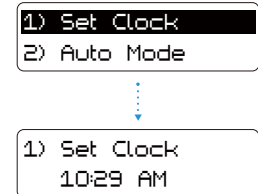
2) Auto Mode - Set LEDs (e.g: Set White Channel)

1. Hold ⊜ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⊜ Select/Lock to select 2) Auto Mode menu
5. Press ⊜ Select/Lock to select Set White menu
6. Press ⊜ Select/Lock to adjust DawnTime.
7. Press ☰ Home/Menu to toggle through options
8. Press ☰ Home/Menu to select Intensity
9. Press ⊜ Select/Lock to adjust Intensity.
10. Press ☰ Home/Menu to toggle through options
11. Press ☰ Home/Menu to move to next setpoint
12. Repeat Steps 5-9 for Sunrise, Midday, Sunset, Dusk and Night
13. Press ☰ Home/Menu to return to main menu

Auto Mode (Set Blue & Special Channel)

Set the Blue Channel and Special Channel are same as the White Channel operate step.

```
Set White
Set Blue
```

```
Set Blue
Set Special
```

```
1) Set Clock
2) Auto Mode
```

```
Set White
Set Blue

Set Special
```

```
Dawn      06:00 AM
Intensity    001%

Sunrise   07:00 AM
Intensity    050%

Midday    12:00 PM
Intensity    100%

Sunset    03:00 PM
Intensity    100%

Dusk      07:00 PM
Intensity    050%

Night     10:00 PM
Intensity    001%
```

3) Manual Mode

1. Press ⊜ Select/Lock to select 3) Manual Mode menu
2. Press ☰ Home/Menu to adjust Enable Manual Mode > Yes/No
3. Press ⊜ Select/Lock to enter the channel selection list
4. Press ☰ Home/Menu to select the White, Blue, Special Channel
5. Press ⊜ Select/Lock to adjust Intensity for each channel
6. Press ☰ Home/Menu to return to main menu

4) Lightning

The advanced settings allow you to control the time period storms will occur in a 24 hour period, the number of storms during this set time and the frequency at which a storm period is activated.

1. Hold ⊜ Select/Lock for 3 seconds to unlock controller
2. Press ☰ Home/Menu to enter main menu
3. Press ☰ Home/Menu to toggle through options
4. Press ⊜ Select/Lock to select 5) Set Lightning menu
5. Press ☰ Home/Menu to set Start/End Hour
6. Press ⊜ Select/Lock to adjust Start/End Hour. Press ☰ Home/Menu to toggle through options
7. Press ☰ Home/Menu to return to previous menu
8. Press ⊜ Select/Lock to adjust Enable Lightning > Yes/No
9. Press ☰ Home/Menu to set Per Day and Frequency
10. Press ⊜ Select/Lock to adjust Per Day
11. Press ☰ Home/Menu to set Frequency
12. Press ⊜ Select/Lock to adjust Frequency
13. Press ☰ Home/Menu to return to main menu

```
3) Manual Mode
4) Lightning
```

```
3) Manual Mode
Enable      YES/NO
```

```
White          100%
Blue           100%
```
```
Special        100%
```

```
3) Manual Mode
4) Lightning
```

```
4) Lightning
Enable      YES/NO
```

```
Start Hour    00AM
End Hour      00PM
```
```
Per Day         00
Frequence       00
```

5) Demo

1. Press ⊜ Home/Menu button to enter main menu
2. Press ⊜ Home/Menu button to select 5) DEMO
3. Press ⊙ Select/Lock button to select YES
Note: The DEMO will show all your settings in 1 minute
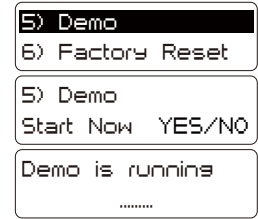
6) Factory Reset

1. Press ⊜ Home/Menu button to enter main menu
2. Press ⊜ Home/Menu button to select Factory Reset
3. Press ⊙ Select/Lock button to select YES
4. Press ⊜ Home/Menu button to set Factory Reset
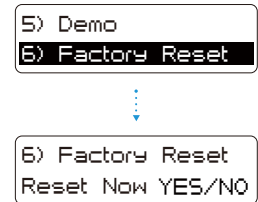
The Control system will gradually ramp the intensity of LED between set points.
The graph below outlines how the LEDs will ramp up and down between settings.

```
5) Demo
6) Factory Reset
```

```
5) Demo
Start Now   YES/NO
```

```
Demo is running
    ........
```

```
5) Demo
6) Factory Reset
```

```
6) Factory Reset
Reset Now YES/NO
```


24 Hours Lighting Cycle Overview
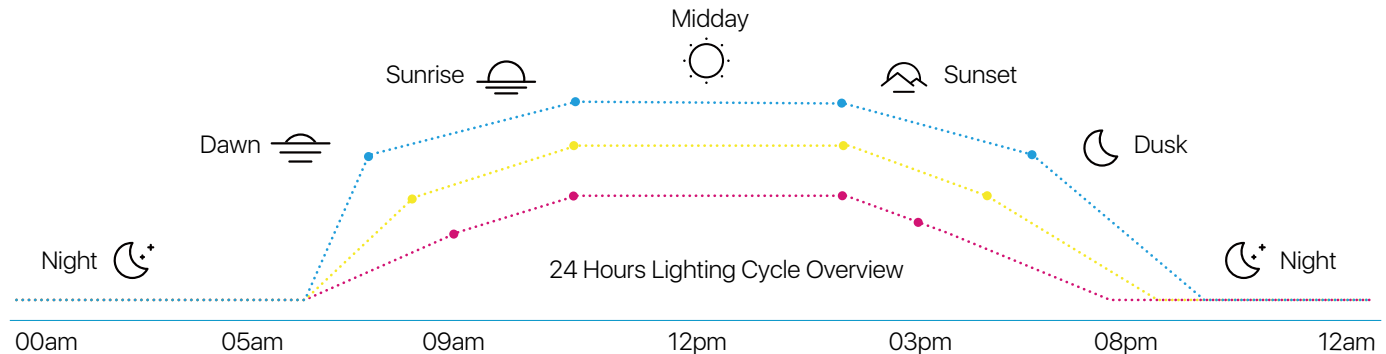
The sample settings below can be used to create different color spectrums in your tank.

10K White						
	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	80% @ 8:00 AM	100% @ 12:00 PM	100% @ 3:00 PM	80% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	1% @ 6:00AM	25% @ 7:00 AM	50% @ 10:00 PM	50% @ 3:00 PM	25% @ 6:00 PM	1% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
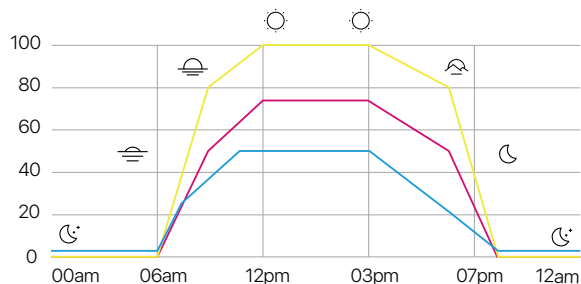
15K White & Blue						
	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	80% @ 8:00 AM	100% @ 12:00 PM	100% @ 3:00 PM	80% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	1% @ 6:00AM	80% @ 7:00 AM	10% @ 10:00 PM	100% @ 3:00 PM	80% @ 6:00 PM	1% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
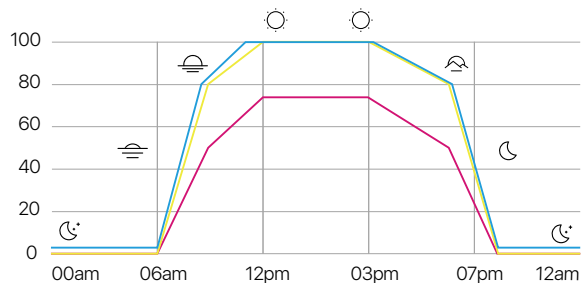
20K Heavy Blue						
	Dawn	Sunrise	Midday	Sunset	Dusk	Night
White Channel A	0% @ 6:00AM	25% @ 8:00 AM	50% @ 12:00 PM	50% @ 3:00 PM	25% @ 6:00 PM	0% @ 8:00 PM
Blue Channel B	0% @ 6:00AM	25% @ 7:00 AM	50% @ 10:00 PM	50% @ 3:00 PM	25% @ 6:00 PM	0% @ 8:00 PM
Special Channel C	0% @ 6:00AM	50% @ 8:00 AM	75% @ 12:00 PM	75% @ 3:00 PM	50% @ 6:00 PM	0% @ 8:00 PM
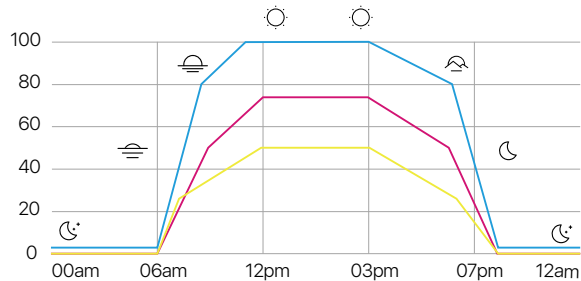
Information

> WARNING: Never push objects of any kind into this product through the ventilation openings in the case. Doing so may be dangerous and damage your light.

Important Handling Information

> NOTICE: Failure to follow these handling instructions could result in damage to your Aqua mini & Pro or other property.

Carrying your Aqua mini & Pro before you move your Aqua mini & Pro, shut it down and disconnect all cables and cords connected to it. Using power cord Never force a connector into a port. Don't put the power cord into your tank when it connected.
When you Setup your Aqua mini & Pro please make sure that there are no loose items (such as paper, metal or other) that could accidentally get inside the Aqua mini & Pro through vent openings or get stuck inside a port.

Mount your power supply where it won't get wet. Include a "drip loop" - a tied loop of cord hanging down below the level of the electrical outlet. That way, if water happens to run down the cord from the tank, it will drip off onto the floor rather than into the outlet. Drip Loops should always be used to help prevent water from traveling along the cord and coming into contact with an electrical outlet. Drip loops must always be below the level of the outlet. If the plug or outlet does get wet, DO NOT TOUCH the cord.

Storing your Aqua mini & Pro If you are going to store your Aqua mini & Pro for an extended period of time, keep it in a cool location (ideally, 71° F or 22° C).When cleaning the outside of your Aqua mini & Pro, first shut down your Aqua mini & Pro and unplug the power cord. Then use a damp, soft, lint-free cloth to clean the lamp exterior. Avoid getting moisture in any openings. Do not spray liquid directly on the lamp. Do not use aerosol sprays, solvents, or abrasives that might damage the finish.

MicMol and the Environment

MicMol. recognizes its responsibility to minimize the environmental impact of its operations and products.

Warranty

MicMol warrants all MicMol products to be free from manufacturing defects for one year from the original purchase date when purchased through an authorized MicMol retailer. This warranty does not cover any damages caused by misuse, neglect, alterations or improper handling / transport / maintenance / installation. Physical damages are not covered by warranty. MicMol does not cover personal injury, personal loss, or other damages associated with the use of our products. In order to request warranty service, please email us at support@micmol.com. A purchase receipt is required for any warranty service. Products requiring warranty service must be returned to MicMol or authorized MicMol retailer. You are responsible for the cost of shipping a warranty claim to MicMol and any damages that may occur during transit. Once a returned product has been inspected, it will be repaired or exchanged at our discretion and returned to you. Thank you very much.

⬡ MICMOL