



**OPERATIONAL & SAFETY GUIDE  
ORPHEK OCEAN**

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[www.orphek.com](http://www.orphek.com)

## Thank you for purchasing Orphek Ocean Aquarium LED Lighting!

In this booklet (manual) you are receiving both Safety and Operational guides. Inside you will have not only detailed information about our product but also all the information needed to install, connect and maintain your Orphek Ocean Aquarium LED Lighting unit. We expect that you will use your system well for many years to come and look forward to hearing from you about your success.

Please feel free to contact us at any time: [contact@orphek.com](mailto:contact@orphek.com).

### ENJOY!

#### Orphek's Commitment to the Environment:

Loving Nature as we do and being conscious about the environment, we only develop products with significant positive impact in everyone's life. By simply producing an efficient LED lighting solution Orphek is helping to reduce a great excess carbon dioxide, sulfur oxide and nuclear waste emissions that are currently being released into the atmosphere every day, leading to a cleaner world and one that will last much longer. Our environmentally friendly lighting solutions produce no radiant heat, and they will not raise the aquarium temperature more than two degrees Celsius above the room temperature! Soon you will find out that by using Orphek LED lighting products, you will achieve more color and growth, with less cooling and electricity than metal halides or any other traditional form of lighting.

All that said, help us to protect our Nature by not printing this manual! We suggest you save it in your computer instead. Trees are as much important as marine creatures! And they help to balance the temperature of Mother Earth!

## Orphek Ocean Aquarium LED Lighting at glance

By launching groundbreaking technologies Orphek gained respect and recognition as a leader in Aquarium lighting technology and innovation for reef aquariums lights. So we did it again! Our newest Orphek Ocean Aquarium LED Lighting is totally designed for private or commercial installations, zoos and public aquariums growing SPS corals.

By utilizing state of the art components combined with Orphek's unique ability to target the exact spectrum that photosynthetic life requires, the Orphek Ocean Aquarium LED Lighting can deliver significant light penetration and plenty of coverage, with Bluetooth technology and 6 channel systems including preset programs such as acclimation.

This guide does **not substitute** any electrical safety guide. It intends only to deliver basic information on how to install your purchased Orphek Ocean Aquarium LED Lighting.

All information in this safety guide may be subjected to change without notice. Please be fully familiarized with the information included in the Safety Guide and in this Operational Guide before beginning installation or use of Orphek Ocean Aquarium LED Lighting. Orphek is not liable for any damages of any kind resulting from the purchase, use, misuse, or inability of/to use the product(s) or arising directly or indirectly from the use or loss of use of the product(s), from the purchaser's lack of knowledge or comprehension, including incidental, special, consequential or similar damages, or loss of anticipated profits or benefits. Also be aware that Orphek is not liable for damages arising from any sort (including negligence or gross negligence) on the part of the purchaser or faults in this safety guide. If in doubt please contact Orphek Customer Assistance Team!

## Orphek Ocean Aquarium LED Lighting at glance

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- What are the features?
- Check Orphek Ocean Aquarium LED Lighting versatility
- What is in the box?
- What are the dimensions?
- What are the specifications?
- Orphek Ocean Unit Photo
- Orphek Ocean Aquarium LED Lighting Ratio Map

## Orphek Ocean Aquarium LED Lighting at glance

### What are the features?

- 1 7 different types of LEDS
- 2 Blue/cyan LED for more fluorescence coral color
- 3 Acrylic lens: 120 degrees
- 4 No wire bonds for high reliability
- 5 High efficiency Mean Well driver
- 6 Free App. For Android and iOS
- 7 Bluetooth technology
- 8 6 channels
- 9 Pre installed Sea worldwide areas
- 10 Sunrise to sunset simulators
- 11 Acclimation program included
- 12 03 built-in effects: Neon, Cloudy and Lighting
- 13 Dimming capacity
- 14 Ability to program multiple Ocean units simultaneously
- 15 Ideal Spectrum for coral growth, color & health
- 16 Built-in calendar and battery backup memory
- 17 Low thermal resistance

## Orphek Ocean Aquarium LED Lighting at glance

### Check Orphek Ocean Aquarium LED Lighting versatility

- 1 Easy maintenance
- 2 Easy to program
- 3 Both Android and Iphone compatibility
- 4 6 different channels (spectrums)
- 5 Both Indoor/outdoor use
- 6 Sunset to sundown or advanced option
- 7 Wide viewing angle provided by increased uniformity
- 8 Small source size for highest luminance & beam control
- 9 Mounting options

### What is in the box?

- 1 One Light Unit
- 2 One Mean Well Driver
- 3 Two Cords
- 4 One set of hanging kits
- 5 Optional Accessories (if purchased)

## Orphek Ocean Aquarium LED Lighting at glance



### What are the dimensions?

Length: 14.4" (366mm)

Width: 6.69" (170mm)

Height: 1.57" (40mm)



## Orphek Ocean Aquarium LED Lighting at glance

### What are the specifications?

#### Color/Materials

Light Unit Body Material: silver aluminum/ white acrylic

Driver Body Material: silver aluminum

#### Weight

Light Unit Weight: 4.63 lbs (2.1kg)

Driver Weight: 2.2 lbs (1kg)

#### Cords

DC Cord: 66.93" (1700mm)

AC Cord: 47.24" (1200mm)

DC Extension cord (optional): 78.74" (2000mm)

#### Electrical

Mean Well Driver Model: GLG – 150 – 15 - HDWE

Input Voltage: 100 ~ 240VAC / 227 VAC (for North America only)

Frequency: 47~ 63 Hz

Power Consumption: 114 ~ 127 Watts

PF (Power Factor): 0.97

Input Current (Amps): 0.52

Input Voltage: 100 ~ 240V

Output Voltage: 15V

Electrical Outlet: Region appropriate

## Orphek Ocean Aquarium LED Lighting at glance

Obs.: As lower the input voltage higher will be the power consumption Watt.

Please check the chart:

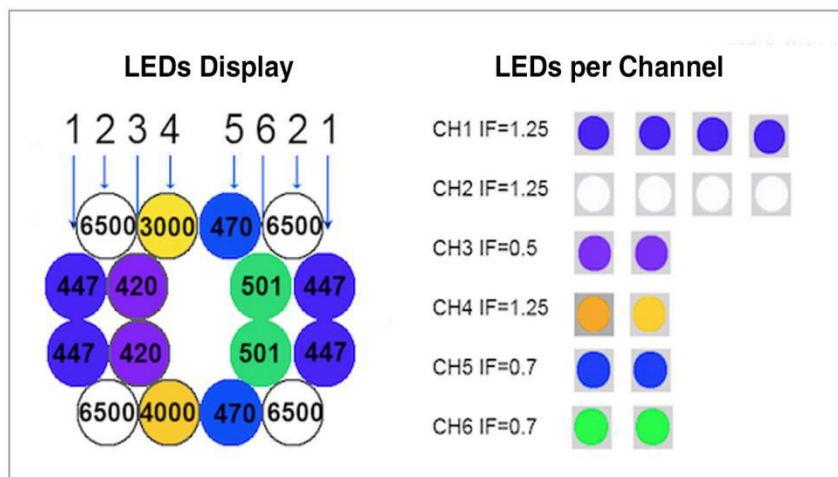
- 110V-1, 107V - wattage is 127W, currency is 1.19A
- 110V-2, 110V - wattage is 123W, currency is 1.12A
- 220V-1, 205V - wattage is 119W, currency is 0.58A
- 220V-2, 220V - wattage is 115W, currency is 0.52A
- At 230V the wattage is 114W

### Orphek Ocean Unit Photos



## Orphek Ocean Aquarium LED Lighting at glance

### Orphek Ocean Aquarium LED Lighting Ratio Map



### Orphek Ocean Unit Per Channel Lighting On Photos



Channel 1

Channel 2

Channel 3



Channel 4

Channel 5

Channel 6

## Orphek Ocean Aquarium LED Lighting Operational Guide

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- 3 Connecting your Ocean unit
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- 6 Acclimation

#### ● Final Observations

#### ● Assistance & Warranty for your purchased Orphek Ocean Aquarium LED Lighting

# Orphek Ocean Aquarium LED Lighting Operational Guide

## Getting Started

### 1 Turning on the unit for the first time

After carefully reading the safety guide and following its procedures you are all set to switch on your unit for the first time.

Orphek Ocean Aquarium LED Lighting is a plug in, plug out unit, that said all you need to do is to insert the electrical plug into the socket to switch on your unit and unplug it to switch off.

### 2 Downloading Orphek Ocean App.

Orphek offers free Apps for both Iphone / Ipad and Smartphones (Android) at Apple Store and Google Play and they are very easy to install.

### Pre-installing the Orphek App. for iOS:

- 1 Go to Settings in your iphone or ipad.
- 2 Click on Bluetooth and enable it.

Once Bluetooth is enabled you can now start to download the App.

### How to download our Orphek App

You have 3 different ways of downloading the App:

- 1 Go to Apple store or Google Play, search for Orphek Ocean, select it and download it.
- 2 You can download our app on the provided links here.
- 3 You can scan the QR Code.

# Orphek Ocean Aquarium LED Lighting Operational Guide

## Links:

### For Apple products:

<https://itunes.apple.com/app/orphek-ocean/id1332869416?mt=8>

### For Android:

[https://play.google.com/store/apps/details?id=com.hme.hmeaquamaster\\_oa](https://play.google.com/store/apps/details?id=com.hme.hmeaquamaster_oa)

### iOS QR Code:

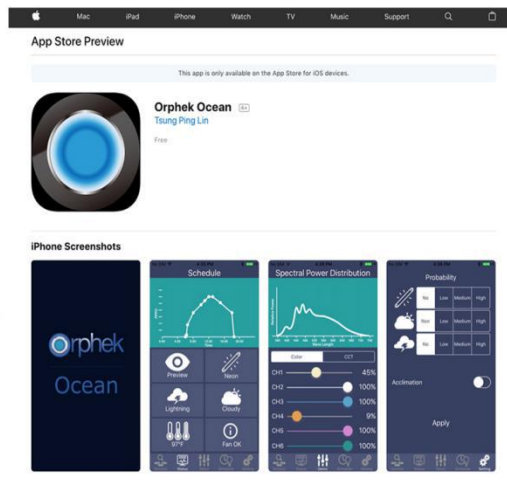


### Android QR Code



## Orphek Ocean Aquarium LED Lighting Operational Guide

### Apple Store:

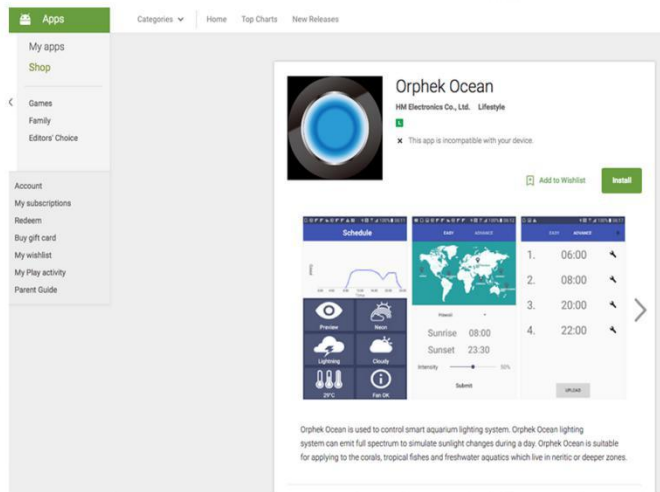


## Orphek Ocean Aquarium LED Lighting Operational Guide

Once your App completed its download you should see the Orphek logo on your Iphone/Ipad screen/Smartphone:



### Google Play:



### 3 Connecting to your Ocean unit

Click on the Orphek App. to open it. This will lead you to the main screen:



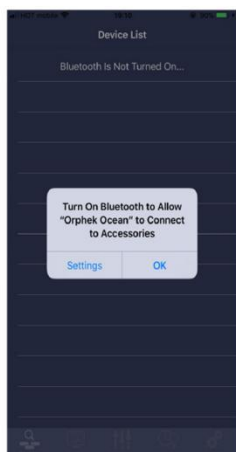


## Orphek Ocean Aquarium LED Lighting Operational Guide

Once the main screen has appeared, the next screen should open in seconds, automatically. Your light must be found by the App. when connecting for the first time so the App. will search for your unit:



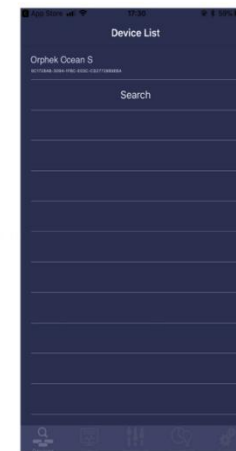
If you forgot to enable your Bluetooth, the App. will point it out to you. In this case choose settings and enable it now:



## Orphek Ocean Aquarium LED Lighting Operational Guide

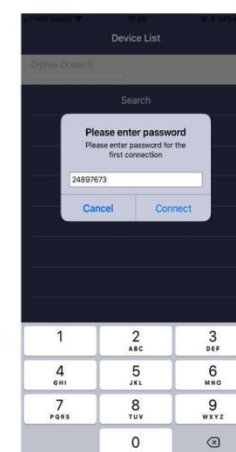
If Bluetooth is enabled your unit should appear in the Device List:

1.5 On the main screen of the app, click on the 'Device List' icon in the bottom right corner.



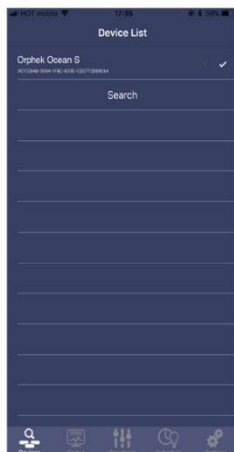
Choose the light by clicking on Orphek Ocean S. When connecting your light for the first time you will be required to insert the password. The password is **24897673** Please insert it and click on connect.

1.6 On the 'Device List' screen, click on 'Orphek Ocean S'.

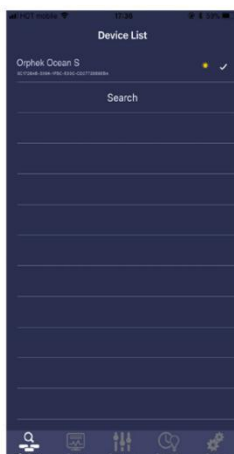


## Orphek Ocean Aquarium LED Lighting Operational Guide

**Obs.:** Your light will save this password automatically, so you won't be asked for the password again.



On the right side of the screen you should see a light bulb. By clicking on it the bulb should appear lighted on the screen. Click on it to choose it. This step is just to find the unit. It is more useful when you have more than one unit to connect. Your light should respond and start flashing.



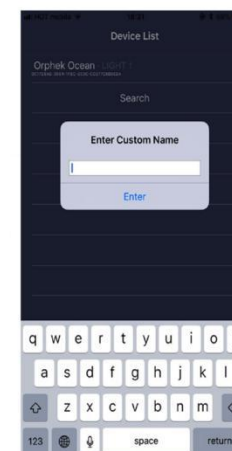
## Orphek Ocean Aquarium LED Lighting Operational Guide

### 4 Changing the name of your light

You should change the name of your Orphek Ocean unit to personalize it or in case of having more than one unit, we suggest that you number them.

Here we are going to teach you how to change the name showing in the screen to the one you chose:

Click on the name and hold it for 2 seconds. A pop up screen should appear. Insert the chosen name and click on ENTER.



**YOU ARE NOW READY FOR AN ORPHEK EXPERIENCE!**

## Orphek Ocean Aquarium LED Lighting Operational Guide

On the bottom of the home screen you will find 5 icons:



**DEVICES:** Here you will see which Ocean unit(s) is/are connected – Device List.

**STATUS:** Here the status of the all connected units is displayed.

- The temperature can be displayed in °C or °F
- Special Weather conditions/Effects are: Lighting, Cloudy or Neon
- Intensity (Low, Medium, High) of Weather conditions/Effects
- Preview – Preview a quick change on the setting from 00:00 to 23:59
- Fan - It displays if fans are working properly

**SPECTRUM:** Here is displayed the Spectral Distribution of the 6 channels from 0% to 100% (both color and CCT) without saving it.

- Color: Display the color of all 6 channels from 0% to 100%
- CCT: Display Depth in meters and Intensity in %

## Orphek Ocean Aquarium LED Lighting Operational Guide

**SCHEDULE:** Here is where you will schedule your lighting program.

It is divided into 2 modes:

- Easy mode for beginners
- Advanced for more experienced hobbyists.

**SETTINGS:** Here you will find the acclimation program and lighting effects.

### 5 Starting set up for one Ocean unit or more

To start programming your Ocean unit click on **SCHEDULE**.

Orphek Ocean provides you 2 options of setting up your unit(s): **EASY MODE** and **ADVANCED MODE**. This manual will show you how to operate both options. Let's start with the EASY MODE.

#### Easy Mode Set up for one unit or more

You can program one unit or more units at the same time.

You can program 08 Ocean units at the same time. If you have more than 8 units, you can program, save and upload the first 8 units and then program the rest of the units.

Easy Mode - Easy Mode is an option for beginners with limited experience of using LED lights or for those who wish to use pre- set programs.

Easy Mode provides you with 6 regions of the globe with their time zone at Sunrise (Sunrise Time) and Sunset (Sunset Time)

## Orphek Ocean Aquarium LED Lighting Operational Guide

On your screen choose **EASY MODE** by clicking on it.

You will find on top of the screen a world map. You can move the map to from right to left and vice versa with your finger. The preset regions are displayed with an orange marker.

Let's say, for example, that you are located in Japan or nearby. By choosing Okinawa you will find the preset program closest to you.

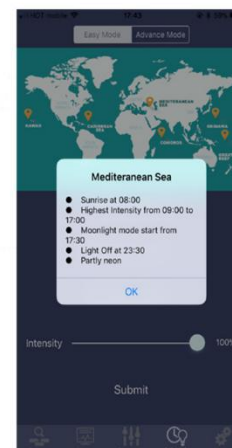
In that region you will find that Sunrise Time is set for 6:00am and Sunset Time is set for 23:30.



## Orphek Ocean Aquarium LED Lighting Operational Guide

**Now let's choose a region to show you how to set-up your light!**

Let's say you are located in Europe. In this case choose Mediterranean Sea, which covers that region:



Once you click on the marker a box will be displayed with all the information of this pre-set up program.

In the example:

- Sunrise at 8:00
- Highest Intensity of the light spectrum from 9:00 to 17:00
- Moonlight mode starting at 17:30
- Light will be turned off at 23:30
- And weather condition: partially cloudy

To choose this program click on **OK** and then **SUBMIT**.



## Orphek Ocean Aquarium LED Lighting Operational Guide

What if this is not exactly what happens in my country? What if sunrise in my country does not start at 8:00 nor does sunset at 23:30?

You can check your accurate time for these events and change the program!

Easy Mode is a versatile program that enables you to change Sunrise and Sunset Time.

So let's say you want to set your Sunrise a little bit later than 8:00 and Sunset a little bit earlier than 23:30.

Let's say for example, that you wish to set your program from 10:00am to 22:00pm. In this case scroll the time to 10:00 and click on **SETUP**.

If you wish to cancel and choose another time click on **CANCEL**.



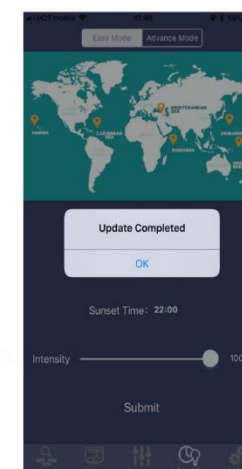
## Orphek Ocean Aquarium LED Lighting Operational Guide

The new time chosen should be displayed in the screen.

Click on **SUBMIT** to update the program:



A new box will be displayed showing you that the update is completed. Click on **OK** to conclude the set-up.



## Orphek Ocean Aquarium LED Lighting Operational Guide


### Advanced Mode Set up for one unit or more

You can program one unit or more units at the same time.

You can program 08 Ocean units at the same time. If you have more than 8 units, you can program, save and upload the first 8 units and then program the rest of the units.

**Advanced Mode** – Advanced Mode is an option for more experienced hobbyists, or for those who wish a personally customized set-up. Here you will be able to customize manually each of the 6 light channels, the intensity of the light and the time schedules of each channel.

Choose **ADVANCED MODE** by clicking on it.

You will find on the top of the screen an EDIT button on your left side to edit your time schedule and a  symbol on your right side to add more time schedules.

On the bottom of the screen you will find 3 functions:

**SAVE/LOAD** and **UPLOAD**.

Please notice that you will have to save your schedules.

Saving just saves the set-up you chose, but you will need to do one more step and upload it to the system,

## Orphek Ocean Aquarium LED Lighting Operational Guide

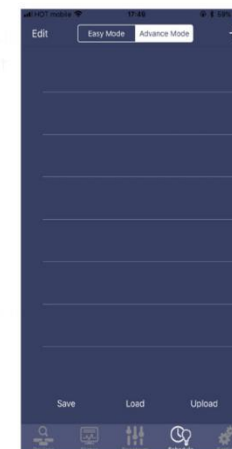
4. Select the ADVANCED MODE

1.5 Once you are in the ADVANCED MODE

1.7 You will find on the top of the screen an EDIT button on your left side to edit your time schedule and a  symbol on your right side to add more time schedules.

2. On the bottom of the screen you will find 3 functions:

2.1 **SAVE/LOAD** and **UPLOAD**.



To set-up time all you need to do is to scroll the hour up or down to the chosen time and click on **SETUP**.

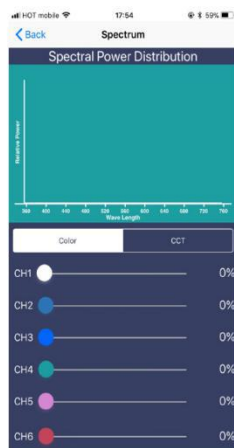
4. Select the ADVANCED MODE



## Orphek Ocean Aquarium LED Lighting Operational Guide

Let's show you how to set-up your light!

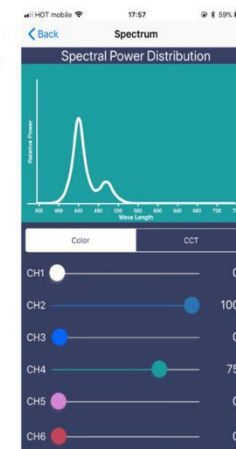
### Spectral Power Distribution Set-up



Customizing the color and the intensity of the light spectrum in each channel is very easy! Each channel will be displayed as CH, from 1 to 6. On the left side you have proximally the color spectrum and on the right side you have the percentage of the color spectrum. On the top of the screen you will find the graph of the spectrum for each channel. In the middle of the screen you will find 2 options: **COLOR** and **CCT** (intensity).

Let's start with **COLOR**, so click on the **COLOR** option to start customizing. By scrolling from left to right you will change the percentage of each color (channel). You will also see that the graph displayed on the top of the screen will change as you change this percentage:

## Orphek Ocean Aquarium LED Lighting Operational Guide



You can see in the screen that the graph displayed on the top of the screen has changed as you changed the percentages displaying now a curve with its peak at 440!

Now let's set-up the time at **SCHEDULE** so you can program more than 2 events such as Sunrise and sunset like you have in the **EASY MODE**. Programming a list of events and setting the time for them to occur is very easy! In this case you have to create at least 3 events to upload to your light and you can program up to 12 different events.

Please notice that you will always have ON and OFF times. That said, you will program when your light will start to work (ON) and when it will stop working (OFF) On both cases all the channels must be at 0%

## Orphek Ocean Aquarium LED Lighting Operational Guide

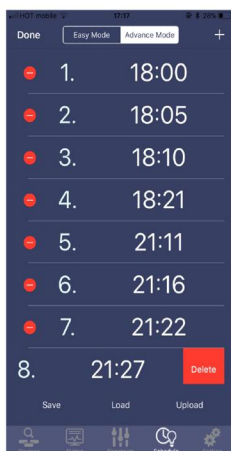
Let's say you created 5 events in your schedule list. Number one in your list is scheduled to start your light and number 5 in your list will turn your light off.

**I created my schedule with many events and now I need to change one, or more or all events. How do I do that?**

**It is very simple! We will show you how:**

### Deleting a time schedule created

To delete the entire schedule or just one of the events created click on EDIT. You will see on the minus sign on the left. Click on it and then on DELETE and then DONE.



## Orphek Ocean Aquarium LED Lighting Operational Guide



### Saving and uploading the program created

Let's say you created 6 events in your schedule list as the example above. It means your light will turn on at 10:00am and it will turn off at 21:00 and it will only start again the next day at 10:00. (Remember that if you wish the light to be turned on at night you need to change the 0%). Now it is time to save and upload to the light.

- To save the program (schedule) created please click on **SAVE**.
- To upload it to the light please click on **UPLOAD**.

### Saving multiple programs (schedule) created

If you wish to save more than one program (schedule) you can name each program let's say P1,P2, P3... or Summer, Winter, Fall...etc...as you wish. Once you programmed the next step is to give a name and save it.



## Orphek Ocean Aquarium LED Lighting Operational Guide



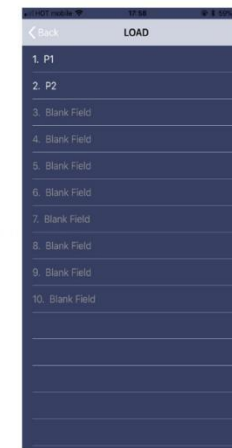
In this case all you have to do is to change the name on the blank field (see below) and click on **ENTER**.



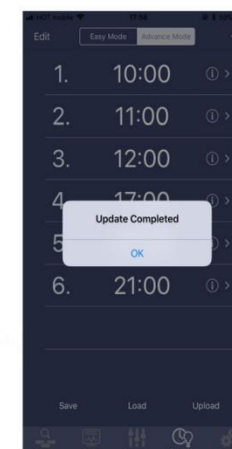
## Orphek Ocean Aquarium LED Lighting Operational Guide

If you wish to save more than one program (schedule) you can. Once you have programmed the schedule, the next step is to save it.

To choose one of the many programs created you should click on **LOAD** and then upload it to the light.



Click on the program you chose to use and upload it to the light by clicking on **UPLOAD** button. Click on **OK** to finish the process.



## Orphek Ocean Aquarium LED Lighting Operational Guide

If you wish to see the overall schedule created Click on **STATUS**



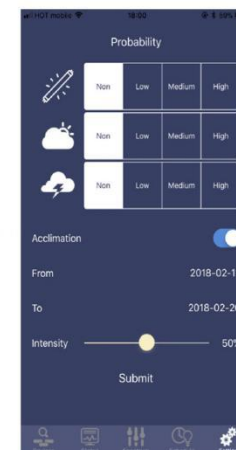
### 6 Acclimation Mode

If you wish to use the acclimation mode go to **SETTING** and move the acclimation button from left to right to turn it on.

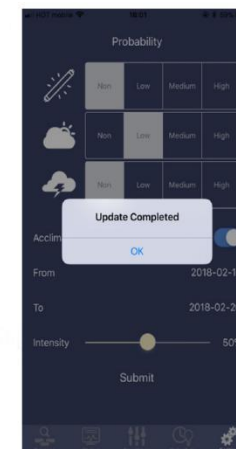


## Orphek Ocean Aquarium LED Lighting Operational Guide

Acclimation is a versatile program that enables you to change the intensity of the light spectrum from 0% to 100%. All you have to do is move the button from left to right to change its percentage as shown bellow:

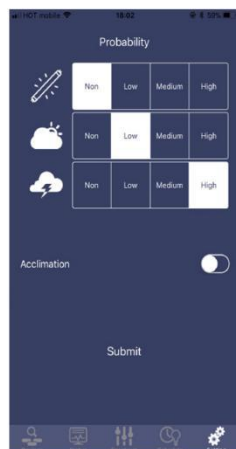


Click on **SUBMIT** and on **OK** on the pop up box to finish it.



## Orphek Ocean Aquarium LED Lighting Operational Guide

To turn the acclimation program off just move the button from right to left:



### Final Observations

In this link you will find all the information needed about the Mean Well Driver

Model: GLG – 150 – 15 – HDWE:

<http://www.meanwell.com/productPdf.aspx?i=315>

Orphek provides detailed information about all its products in our website

<https://www.orphkek.com>

## Orphek Ocean Aquarium LED Lighting Operational Guide

### Assistance & Warranty for your purchased Orphek Ocean Aquarium LED Lighting

#### **HOW DO I CONTACT ORPHEK TO ASK ABOUT MY ORPHEK OCEAN AQUARIUM LED LIGHTING UNIT (S)?**

It is very easy! Just email us at: [contact@orphkek.com](mailto:contact@orphkek.com)

**Orphek is proud to be committed to customer assistance excellence!**

If you have any question regarding your Orphek Ocean Aquarium LED Lighting unit (s), Orphek provides online Technical Support, answering to inquires from all over the world. From technical details about the product to installation, maintenance and troubleshooting of your Orphek unit (s) we offer you full support. Our consultants, representatives and all professionals involved in the company-customer relationship understand the client's priorities and are trained to provide full support and personal/customized services from the first contact. We are committed to reach successfully all our client's expectations.

#### **I BOUGHT AN ORPHEK PRODUCT AND NOW I HAVE QUESTIONS REGARDING MY UNIT (S). WHAT TO DO?**

If you have any questions regarding installation, maintenance or troubleshooting of your purchased Orphek unit, please notice that Orphek has a standard assistance procedure that must be followed by all clients who have purchased our products.

So, before contacting us be prepared to answer a few basic questions about the product you have purchased.

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### • FIRST WE NEED TO KNOW WHO YOU ARE!

Full name

Full address

Phone number for contact.

### • SECOND, WE NEED TO KNOW EVERYTHING ABOUT THE PRODUCT YOU BOUGHT!

Date & place of purchase

Model and serial number of your Orphek Ocean Aquarium LED Lighting unit

Proof of purchase

Copy of invoice

Proof of delivery in perfect conditions

Photos or video of the damage (good quality & focus)

Full description of the damage.

### ***WHY DO I NEED TO SEND SO MUCH INFORMATION?***

Because Orphek products are submitted to warranty policies like any other product sold in any market any place in the world. Because Orphek sells 1000s of units worldwide and we need to track yours in order to help you!

### ***WHY DO I NEED TO SEND YOU PHOTOS AND VIDEO OF THE DAMAGE IF I AM TELLING YOU MY UNIT HAS A DAMAGE?***

The more information we have about your unit easier will be to provide you assistance! Just like your doctor, we will listen to you, but we will also want to come to our own conclusions according to our technical expertise. According to

## Orphek Ocean Aquarium LED Lighting Operational Guide

our own experience over the years providing support, sometimes clients do not exactly explain or tell us what we need to know in order to help them. A picture usually worth a 1000 words! Because we follow our warranty policies just like everybody else should do!

### ***WHEN I WILL RECEIVE THE SUPPORT I NEED?***

Orphek offers technical support 24 hours a day, 365 days of the year. All you need to do is contact us with the information requested above.

### ***WHEN WILL ORPHEK NOT PROVIDE THE SUPPORT I NEED?***

Orphek offers all its clients a proper channel to request assistance & support. Only by contacting us through this channel you will receive the support you need. Orphek does not provide support for clients going to forums, facebook pages, public chats, etc... to complain about a defective product or lack of assistance. Unfortunately Orphek does not have a team of social media assistants to follow all and every forum or social media, website or app to try to find clients in need. We can and feel obligated to help you only if you contacted us through the right channel to ask for assistance.

Orphek clients are definitely our most important assets, therefore we are 100% committed to their satisfaction. We invest in customer assistance efficiency because our clients have real value!

### ***I LIVE IN FIJI. DO I GET SUPPORT TOO?***

Of course you do! Orphek sells its products worldwide. If you live in Fiji or any other location in the world you are entitled and you will receive support when needed.



## Orphek Ocean Aquarium LED Lighting Operational Guide

If we have a local support in your region you will get local support. If not, our Client Support & Assistance Center will be more than happy to assist you at any time!

### DO I HAVE WARRANTY?

All Orphek products are warranted for 01 year. During this period we will repair or replace the defective unit or part at our option, providing the following conditions have been met:

This limited warranty applies only to the **original purchaser** and is not transferable from the original consumer purchaser. In the event of a limited warranty claim, proof of purchase will be required. If you have purchased your Orphek product from a dealer, local shop or online shop, please contact them directly.

This warranty shall not apply:

1. To any damaged Orphek lighting product that has been subjected to accident, misuse, neglect, alteration, improper use or application, improper handling, improper transporting improper storage, improper installation, improper testing or unauthorized repair, operation outside recommended parameters (as described in the applicable product manual, for example, damage from saltwater spray or heat), power fluctuation or failure, subjection to abnormal physical or electrical stress, use of incompatible products, non-approved power supplies/ connections, improper cleaning and use of incompatible cleaning products, or similar circumstances;

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2. To any Orphek lighting product that has been submerged to water; or have any kind of water infiltration.

3. To cosmetic problems or defects that result from normal wear and tear under ordinary use, and do not affect the performance or use of the product.

4. Acts of Nature.

This warranty applies only to a product that is manufactured by or for Orphek and identified by the Orphek trade name or product identification logo affixed to the product.

This warranty shall not apply if repairs have not been attempted by anyone other than our Customer service staff or any authorized agent or dealer, or under the instruction of our customer service staff. Any attempts at self-repair shall void this limited warranty.

This warranty does not confer rights other than those expressly set out above, and does not cover any claims for consequential loss or damage. Orphek shall not be held liable for damage to any aquarium, aquarium life forms, or any other personal objects due to improper use of the device.

This limited warranty does not cover, damage to products incurred in shipping of the product (s). Orphek has chosen carefully its transportation & delivery partners, but sometimes damage may occur for many reasons. In this case you should verify our shipping policies.

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Orphek does not render services of installation of any of its products therefore it will not be held responsible for damage of any kind or cost resulted from installations.

### Information necessary to claim your warranty:

If you have purchased your product directly from us, contact [contact@orphek.com](mailto:contact@orphek.com) to provide the following information:

Product info: model and serial number, date of purchase, proof of purchase, copy of invoice, proof of delivery in perfect conditions, photos of the damage (good quality & focus), and full description of the damage.

If you have purchased your product from a dealer, local store or online shop – contact them directly for assistance.

### PLEASE NOTICE!

ORPHEK HAS CHOSEN CAREFULLY ITS PARTNERS AND RELIED IN THEIR PROFESSIONALISM TO PROVIDE THE BEST CUSTOMER SERVICE THERE IS, BUT ORPHEK WILL NOT BE RESPONSIBLE FOR MISINFORMATION RECEIVED BY CLIENTS CONCERNING ITS PRODUCTS, IF GIVEN FROM A THIRD PARTY (DEALERS, LOCAL SHOPS, ONLINE SHOPS). IF THE DAMAGE RESULTED FROM THIS MISINFORMATION, CONTACT THE SALESPERSON DIRECTLY.

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ORPHEK PROVIDES CUSTOMIZATION LED RATIOS FOR ALL ITS CLIENTS UPON REQUEST. ANY CUSTOMIZATION MADE FOR THE CLIENT WITH CLIENT'S AUTHORIZATION WILL NOT BE OBJECT OF ANY CLAIM ARISING FROM THE RESULTS OF THE CUSTOMIZATION ITSELF. ANY CUSTOMIZATION ADVISED BY ANY OTHER PARTY RATHER THAN ORPHEK'S CEO WILL NOT BE OBJECT OF ANY KIND OF CLAIM ARISING FROM THE RESULTS OF THE CUSTOMISATION ITSELF.

ORPHEK DISCLAIMS ALL OTHER WARRANTIES, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, TO THE FULLEST EXTENT ALLOWED BY APPLICABLE LAW. NO IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY SHALL APPLY EXCEPT AS REQUIRED BY APPLICABLE LAW. ORPHEK DOES NOT AUTHORIZE ANY PERSON OR BUSINESS ENTITY, INCLUDING ITS AUTHORIZED DEALERS, TO CREATE FOR IT ANY OBLIGATIONS, LIABILITIES, OR OTHER WARRANTIES IN CONNECTION WITH THIS PRODUCT.

ALL WARRANTIES ARE VOID IF THERE IS DAMAGE TO THE ORPHEK LIGHTING PRODUCT THAT IS NOT A RESULT OF A DEFECT IN THE MATERIALS OR WORKMANSHIP. THE SOLE AND EXCLUSIVE REMEDY FOR ALL CLAIMS THAT YOU MAY HAVE ARISING OUT OF OR IN CONNECTION WITH YOUR USE OF THIS PRODUCT, WHETHER MADE OR SUFFERED BY YOU OR ANOTHER PERSON AND WHETHER BASED IN CONTRACT OR TORT, SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT. IN NO EVENT WILL ORPHEK BE LIABLE TO YOU OR ANY OTHER PARTY FOR

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ANY DIRECT, INDIRECT, GENERAL, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR OTHER DAMAGES ARISING OUT OF THE USE OR INABILITY OF TO USE THE PRODUCT (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION OR ANY OTHER PECUNIARY LOSS, DAMAGE TO YOUR AQUARIUM OR ANY AQUARIUM INHABITANTS), OR FROM ANY BREACH OF WARRANTY, EVEN IF ORPHEK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO CASE SHALL ORPHEK LIABILITY EXCEED THE AMOUNT YOU PAID FOR THE PRODUCT.

### Damages outside the warranty claim period:

If you have purchased your Orphek product from a dealer, local shop or online shop, please contact them directly and check how they can help you.

If you have purchased your product directly from us, contact [contact@orphek.com](mailto:contact@orphek.com) with the same information that should be provided within the valid warranty period and we will be happy to try to help you, by sending you a proposal of assistance price.

### For full Orphek Warranty Policies please enter to:

<https://orphek.com/contacts/warranty/>

## Orphek Ocean Aquarium LED Lighting Safety Guide

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### First Observations

1. Only authorized and qualified electrical workers should install, repair or perform maintenance on electrical equipments. But if you still opt to do it yourself: Check basic safety guides for electrical works before you install any electrical device by yourself (there are plenty of them available in the internet!). 2. Make sure you are following the safety procedures to avoid shock or fire hazard. If you are not sure that you can install your Orphek Ocean Aquarium LED Lighting by yourself bring a professional with the correct skills to assist you or install the unit(s) for you. 3. Do not install your unit(s) near children or animals. Also place the contents of the package far from their reach. 4. Do not install your unit(s) with the help of a child or any person who does not have the basic skills and does not know the basic safety procedures for installing electrical apparatus.

### Warning

Electrical shock can cause death.

Electrical shock can often cause internal damage that may not be immediately apparent.

**Never** look directly into the LEDs. It may cause damage to your eyes!

### Reduce Electrical Shock Risk

1. Do not work on electrical equipment in a wet area or when touching an object that may provide a hazardous earth ground path. 2. Do not immerse your Orphek Ocean Aquarium LED Lighting in water. If the unit(s) falls into the water, **don't reach for it!** First unplug it and then retrieve it. If electrical components of the unit(s) get wet, unplug the unit(s) immediately. 3. Never rely on your memory, read our manual and the safety guide before you start to install your Orphek

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Ocean Aquarium LED Lighting and have it with you for reference during installation.

[If you have any questions, or did not understand any information of this guide please kindly contact Orphek Customer Assistance Team.](#)

### Epilepsy & Photosensitivity

Exposure to lights at certain intensities or to certain visual patterns can trigger seizures. This condition is known as photosensitive epilepsy. Many people are unaware that they are sensitive to flickering lights or to certain kinds of patterns until they have a seizure. Check with your doctor if you are concerned about light patterns triggering seizures. Although the exposure to blue light is very important to human beings, some people might have sensitive skin or eyes from it. Check with your doctor if you are concerned about a possible sensitivity.

### More Tips for Injury Prevention

1. Test if your electricity is operating correctly in the area installed and switches it off before installing your Orphek Ocean Aquarium LED Lighting. 2. Ensure equipment, tools and equipment are in good operating condition. 3. Never use equipment, tools or equipments that are in disrepair or not properly maintained. 4. Ensure electrical components (switches, resistors, capacitors, inductors, transistors, etc.) are appropriate for the circuit or apparatus. 5. Never overload circuits. 6. Never leave unprotected systems unattended. 7. Never place containers of liquid on electrical systems. 8. Ensure to turn off the power supply first before disassembling the circuit. 9. Use only tools and equipment with non-conducting handles when working on electrical devices. 10. Never use metallic pencils or rulers, or wear rings or metal watchbands when working with electrical equipment.



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11. When it is necessary to handle equipment that is plugged in, be sure hands are dry and, when possible, wear nonconductive gloves and shoes with insulated soles. 12. If water or a chemical is spilled onto equipment, shut off power at the main switch or circuit breaker and unplug the equipment.

These are some of the safety tips. Orphek cannot provide you a full guide. Please check a complete electrical safety guide for all the safety rules of electrical installation procedures).

### Important

Orphek warranty policy does not cover damage to products or loss of components incurred in shipping of the product(s). Orphek has chosen carefully its transportation & delivery partners, but sometimes damage may occur for many reasons. In this case you should verify our shipping policies provided in our website: [www.orphek.com](http://www.orphek.com). We strongly advice you to open your package(s) in front of the person delivering it (them) to check for damages. If you unfortunately do find damages or missing components, please take photos and make the person delivering the package(s) sign for these damages ▲Ensure all accessories are included in the box. If any component is missing, please contact Orphek or the retailer and inform of any missing components ▲Do not open the package(s) with a craft knife or edged tool – it may damage you unit(s) ▲Do not use the unit(s) for other than intended use (Check our warranty policies) ▲Do not drop your unit(s) ▲Check instructions for maintenance and cleaning your unit(s) ▲Your Orphek Ocean Aquarium LED Lighting comes with an Orphek power supply – do not use another power supply from any other company ▲ Do not use extension cables provided by

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any other company. If extension cables and cords are needed, contact Orphek for a price quotation.(Check our warranty policies before installing your unit(s)) ▲Do not replace the LEDs or any part of your unit for components not provided/sold by Orphek LED Lighting company (Check our warranty policies), before, during or after installing your unit(s) ▲Your Orphek Ocean Aquarium LED Lighting is **not waterproof, it is water resistant**. Water might permanently damage it. This damage is not covered under the warranty. Protect these components from water submerging or infiltration of any kind.

### Safety Instructions for Installing your Orphek Ocean Aquarium LED Lighting

1. Assemble the mounting option you have chosen. 2. Double check if the mounting option is well installed to avoid personal injuries or to avoid dropping/breaking your unit(s). 3. Carefully unpack unit(s) and components from box. We suggest setting the unit(s) with the LED's facing up on a soft towel or carpet to ensure the housing is not scratched or damaged. 4. Carefully examine your Orphek Ocean Aquarium LED Lighting after installation and **before** you plug it into the GFCI and wall outlet. 5. Never plug in a wet cord. If a plugged in unit or socket does get wet, **don't touch it**. Instead, promptly disconnect the fuse or circuit breaker that supplies power to the unit(s). Then, you may unplug the unit(s) and examine for the presence of water. 6. A "drip-loop" should be employed for each cord connecting a unit to outlet. A "drip-loop" is the part of the cord below the level of the GFCI outlet (or the connector if an extension cord), to prevent water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, **don't unplug the cord**. Disconnect the fuse or circuit breaker that supplies power to the unit, then unplug and examine for presence

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of water in the outlet. 7. Do not install, operate your unit(s) in places to be exposed to temperatures below 0° Celsius or 32 Fahrenheit or above 50° Celsius or 122 Fahrenheit. 8. Ensure the unit(s) is securely installed before supplying power to the unit. 9. DO NOT use any form of alcohol or solvent to clean your Orphek Ocean Aquarium LED Lighting. 10. Never place any objects or instruments on top of your unit(s) ordinances. 11. Do not pull or cut the cord.

### Safety Instructions for Storing your Orphek Ocean Aquarium LED Lighting

Improper storage will damage temporarily or permanently your Orphek Ocean Aquarium LED Lighting unit(s) (Please check for our warranty policies before storing your Orphek products) Please keep the original package(s) to store the unit(s).

1. Please store your unit(s) placed on a plain surface. 2. Do not place any heavy object or heavy packages on your unit(s) package(s). 3. Do not store your unit(s) in places to be exposed to temperatures below 0° Celsius or 32 Fahrenheit or above 50° Celsius or 122 Fahrenheit. 4. Do not store your unit(s) in a wet or humid place or exposed to dust. 5. Do not store your unit(s) in a place close to children or animal reach. 6. Do not store your unit(s) close to any kind of chemical or corrosive liquids, cleaning products, bleach, pool cleaning or maintenance product, etc...

### Safety Instructions for Cleaning your Orphek Ocean Aquarium LED Lighting

Improper cleaning will damage temporarily or permanently your Orphek Ocean Aquarium LED Lighting unit(s) (Please check for our warranty policies before cleaning your Orphek products).

1. Do not clean your unit(s) when turned on. 2. Do not apply excessive wiping

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pressure or your body weight on the unit(s) to clean it (them). 3. Do not use dirty, abrasive or linty cloths. 4. Do not use any alcohol except isopropyl alcohol. 5. Do not use any cleaners, such as acetone, which contain ketones, as they will destroy the metal surfaces. 6. Do not use ammonia-cleaning products. 7. Do not use metal or any kind polishing to clean your unit. 8. Do not allow liquid to run into the air exits (fans) or inside the metal grill. 9. Do not use hard sponges to clean your unit(s), they will scratch the surfaces and damage it. 10. Do not use sharp tools in attempt to clean your unit(s).

### How to clean your Orphek Ocean Aquarium LED Lighting

1. Read the special considerations above. 2. Turn your unit(s) off and allow it (them) to cool. 3. Make sure your cloth is dry, clean and free of any grit before starting. 4. Using light pressure wipe the surfaces to evenly remove any humidity or dust. 5. Be very careful where the LEDs are placed! Do not turn the unit(s) to clean. 6. If possible uninstall each and every unit before cleaning. 7. Wipe gently and **do not overwork or apply excessive pressure** to avoid damaging the LEDs. 8. Finally clean the edges and corners by lifting any dust or debris onto the cloth or use a clean soft brush. 9. Do not pull cords while cleaning your unit(s).

OBS.: Orphek Ocean Aquarium LED Lighting unit (s) can be also cleaned with air compressors as long as you will follow the instructions of the manual of the compressor used.

Remember: Keeping your units clean is very important to keep your Orphek Ocean Aquarium LED Lighting running well, but over or unnecessary cleaning may cause temporarily or permanently damage! So don't over do it!