MAX PLANCK 15000
DIVING FLOODLIGHT

(LT-15KLM-100)

Functional Description and Specifications

Intended Use

The Max Planck 15000 by Nemo is a commercial diving floodlight intended for wide-angle illumination, professional underwater photography, videography, and nighttime search and rescue.

The floodlight contains 20 white LEDs and 10 UV LEDs which together provide various working modes, including:

- Wide-angle white LED floodlight
- UV light
- White LED and UV light

The floodlight casing is made of durable aviation-grade aluminum that undergoes anodizing treatment to protect it from seawater corrosion. The floodlight is waterproof to a depth of 328 ft (100 meters) and the battery can be changed underwater.

Packing List

Your Max Planck 15000 floodlight is packaged together with the following accessories:

- (2) 14.8V 2Ah Li-ion battery packs
- Li-ion battery charger
- Quick Release (GoPro-type) mount, and ball mount

Technical Specifications

Battery Charger

Model	XVE-2100100
Charging output voltage	DC 16.8V - 1.0A
Charging input voltage	100V-240VAC 50/60Hz 1.5A max

Nemo Commercial Diving Floodlight

Model	LT-15KLM-100
Battery pack voltage	14.8V Li-ion
Battery cell specification	Li-ion 18650 cell
Working voltage	12V-16.8V
Modes	♦ Wide-angle white LED floodlight ♦ UV light ♦ White floodlight and UV light
Maximum brightness	15000 lumens
Dimensions	Head diameter: 2.6 in (65mm) Length:5.7 in (145mm)
Net weight (with batteries)	1.8 lb (800g)
Working temperature	32-140°F (0-60°C)
Submersible up to	328 ft (100m)

Safety Warnings

Warning: Read all safety warnings and instructions, and save them for future reference. Failure to adhere to these warnings can result in serious injury and damage to equipment.

Floodlight Safety

The Max Planck 15000 is a powerful floodlight meant for use underwater. Using the floodlight outside of the water for prolonged periods will cause the floodlight to heat up significantly. Do not keep the floodlight on for more than five minutes at a time outside of the water.

- Check that all openings on the floodlight are tightly sealed before every dive.
- Clean the battery of the floodlight, as well as the surface and the switches, with clean fresh water after every dive. You can use a mild cleanser to clean the switches if they are blocked with debris.
- Ensure that there is no debris or salt water residue trapped inside the battery connector, after every dive. Wipe the metal pins inside the battery connector clean and keep dry when not in use.
- Recharge the battery when the outer light ring circling flashes red, or at least once every three months.
- Never shine the floodlight directly into human or animal eyes.
- When the floodlight is on, do not cover the head of the floodlight.

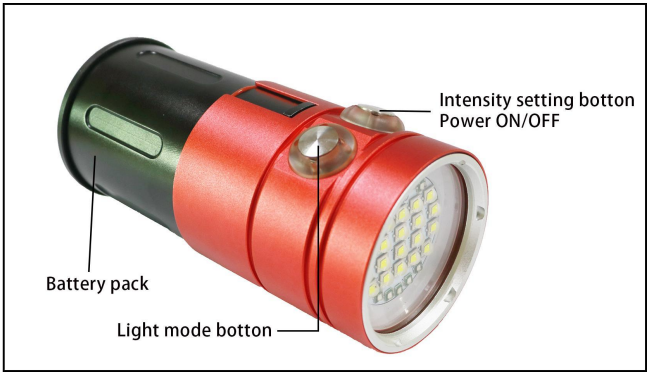
Rechargeable Battery Safety

- When the batteries are not in use, keep them away from other metal objects like paper clips, coins, keys, nails, and screws, which can make a connection from one terminal to another.

- Store the batteries only within a temperature range of 32˚F - 113˚F (0°C-45°C).
- Do not open the batteries.
- Protect the batteries against heat, including continuous sun irradiation and fire.
- When a battery is defective, liquid can escape and come into contact with adjacent components.
- Use only batteries with the voltage listed on the nameplate of your floodlight. When using batteries with other voltages, there is danger of injury as well as property damage through exploding batteries.
- Protect the battery charger from rain and moisture. The battery charger is not waterproof.
- Before use, always check the battery charger, cable, and plug. If you detect defects, do not use the battery charger. Never open the battery charger. Instead, have it opened and repaired only by qualified personnel who will use original spare parts.

Getting Started with the Floodlight

Your Max Planck 15000 includes the following main components:



Charging the Batteries

The Li-ion batteries are supplied partially charged, and must be charged to full capacity before using the floodlight for the first time. When the batteries are fully charged, the floodlight can run at the highest intensity for up to one hour.

Caution: Use only a Li-ion battery from the original factory with the voltage listed on the nameplate of your floodlight. Using other batteries not suitable for the floodlight can lead to malfunctions, cause damage to the floodlight, and pose a fire hazard.

Danger: Ensure that the power supply voltage corresponds with the data on the nameplate of the battery charger.

Danger: Only use the charger in a dry environment. The charger is not waterproof. Never attempt to charge the batteries under water.

The batteries can be charged at any time without reducing their service life. The battery charger detects the charging condition of the batteries, and charges them with the optimum current. Interrupting the charging procedure does not damage the batteries.

1. Connect the mains plug of the battery charger to an electrical outlet. A steady green light on the battery charger indicates that the charger is ready for operation.
2. Press the battery charger's connector into the socket on the top of the battery pack. There is only one way to insert the connector into the battery socket.

The batteries begin charging as soon as they are connected to the charger, and stop charging as soon as they are full.

- A steady red light on the battery charger indicates that the battery is charging.
- A steady green light on the battery charger indicates that the battery is fully charged.

Note: The battery is equipped with an NTC temperature controller that only allows it to be charged when its temperature is between 32˚ F - 113˚ F (0˚C- 45˚C , ensuring a long battery service life.

Inserting the Batteries into the Floodlight

1. Ensure the 3-prong connector is in alignment with the 3 holes on top of the battery.
2. Insert the battery into the bottom of the floodlight base.

Caution: Use only a Li-ion battery from the original factory with the voltage listed on the nameplate of your drill. Using other batteries not suitable for the drill can lead to malfunctions, cause damage to the power tool, and pose a fire hazard.

Removing a Battery from the Floodlight

Pull the battery pack out and down, without exerting any force.

Operating the Floodlight

Switching the Floodlight On or Off

- The left button is used to turn the Floodlight On/Off and to change the light intensity levels. There are five light intensity levels.
- Pressing the left button for two seconds will turn the Floodlight ON. If the outer light ring circling illuminates GREEN, this indicates that the battery is sufficiently charged. The outer light ring circling will illuminate RED when the battery is 20% charged or less. If the outer light ring starts flashing RED, this means that battery power level is too low and it needs to be recharged.
- Pressing the left button for two seconds will also turn the Floodlight OFF.

Changing the Light intensity levels

- The default light intensity of the Floodlight is set to 20% when you first switch ON the Floodlight.
- Press the left button to switch through the five light intensity levels [20%-40%-60%-80%-100%].
- When you press the left switch after 100% light intensity it will revert back to the lowest light intensity, 20%.

Changing the Light modes

- There are three Light modes:
    - Wide-angle white LED Floodlight
    - UV light
    - White floodlight and UV light
- The right button is used to change among the three Light modes. When you first turn ON the Floodlight (using the left button) the Floodlight will be in the wide-angle white LED floodlight mode.
- Press the right button to turn on the UV light mode.

- Press the right button a second time to turn on the white floodlight and UV light mode.
- Press the right button a third time to revert to the wide-angle white LED floodlight mode.

How to preserve the battery life and store your Nemo Floodlight

Before using a Nemo Floodlight, ensure that the battery for the tool has been fully charged to 100%.

Do not operate a Nemo Floodlight, when the battery of the tool is low in power.

If the battery power becomes low, stop work immediately and recharge the battery.

When not in use, the Nemo Floodlight should be safely stored away with the battery disconnected from the floodlight.

Never leave the battery connected to the Nemo Floodlight longer than 24 hours when not in use.

Make sure there is no metal or other things to block the connector after every dive and keep the brass pin dry when storing.

Troubleshooting

- If you have any questions about operating or troubleshooting the floodlight, visit the FAQ and troubleshooting sections at www.NemoPowerTools.com.

Maintenance

Servicing the Floodlight

If your floodlight is damaged or faulty, have it repaired by an authorized service technician.

Caution: Under no circumstances should the floodlight be opened for repairs or any other purpose by anyone other than an after-sales service technician authorized by Nemo Power Tools. Opening the floodlight invalidates the manufacturer warranty.

Transporting the Floodlight

The battery pack has effective protection against internal over-pressure and short-circuiting, as well as devices preventing violent rupture and dangerous reverse current flow.

The lithium-equivalent content in the batteries is below applicable limit values. Therefore, the batteries are not subject to national or international regulations pertaining to dangerous mediums, either as individual components or when inserted into a floodlight.

However, the regulations governing dangerous goods may be relevant when transporting several batteries. In this case, it might be necessary to comply with special conditions, such as those governing packaging.

Disposing of the Floodlight

At the end of its lifecycle, the floodlight, its accessories, and packaging should be sorted for environmentally friendly recycling.

Do not dispose of the batteries in household waste, fire, or water. Batteries should be collected, recycled, or disposed of in an environmentally friendly manner.

Disclaimer :

Nemo Power Tools Ltd reserves the right to change the contents of this manual at any time without prior notice .

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