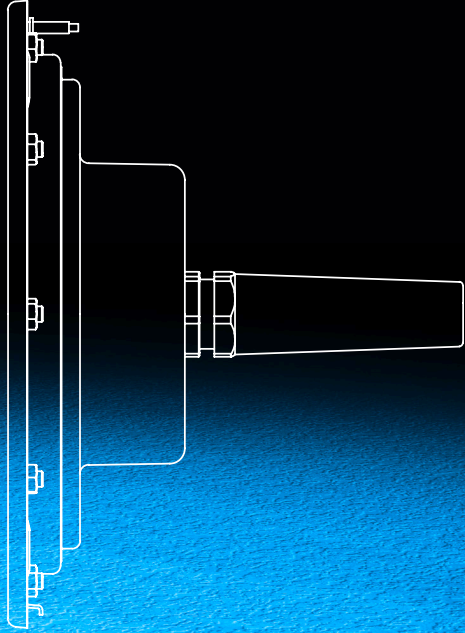


BLUE MAR
NOVA[®]

SuperNova RGBAW Light



BLUE MAR
BASINS[®]



SuperNova RGBAW Light



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Original manual. This manual belongs with the unit and must always be passed on together with the unit.

Safety Information

Electrical connection

- Special regulations apply for electrical installation in pools. Only a qualified electrician may perform the electrical installation.
 - The qualified electrician has the necessary professional training, knowledge and experience to perform electrical installation in pools. The electrician can detect potential dangers and knows how to adhere to regional and national standards, regulations and directives.
 - For your own safety, please consult a qualified electrician.
- Only connect the unit with an approved power supply by Blue Mar Basins.
- Protect the wired connection from moisture.

Safe operation

- Do not use the unit if electrical lines or the housing are damaged.
- Dispose of the unit if its power connection cable is damaged. The connection cable cannot be replaced.
- Do not carry or pull the unit by its cable.
- Never carry out technical changes to the unit.
- Only carry out work on the unit that is described in this manual.
- Do not stare into the light directly or for a long time.

Intended Use

Only use the product described in this manual as follows:

- For use mounted in a Niche under water
- While adhering to the technical specifications as outlined in this document

The following restrictions apply to the unit:

- Only use in conjunction with equipment as approved by Blue Mar Basins.
- Do not direct the lights at people's eyes.

Properties

This powerful LED light is designed for underwater installation in an approved niche. It is designed primarily for brightness. The Super Nova RGBWA model offers a variety of color mixing show control options for aesthetically pleasing sequences and installations in swimming pools and similar bodies of water.

- Housing is made of stainless steel, therefore, it is suitable for use in salt water and water containing chlorine.
- Long operating life of the LEDs due to monitoring of the operating temperature and moisture. If the spotlight heats up excessively, the light flux is steadily reduced.

LEDs (light emitting diodes) create the colors red, green, blue, white, and amber (RGBWA). In addition to monitoring internal humidity, an integrated sensor monitors the operating temperature and reduces the light output if the spotlight heats up excessively. This increases the operating life of the LEDs.

The Super Nova supports the DMX/RDM protocol. Each color along with dim and strobe can be separately controlled via DMX/RDM, allowing different color effects.

RDM (Remote Device Management) is an open and bi-directional protocol standard for DMX-512 controlled devices. The unit can be configured, firmware can be updated or the status pulled via RDM. The unit can be controlled via any DMX/RDM compatible controller such as a DMXCat by City Theatrical or more robust show control systems.

Symbols on the unit

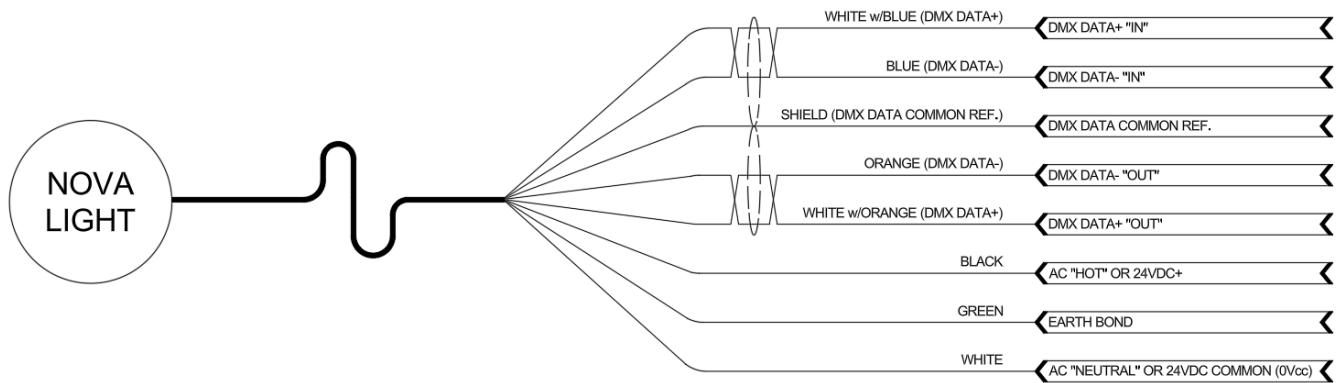
The unit is dust-tight and water-tight down to 3m
Read the operating instructions
UL Listing / cUL Listing

Installation

System wiring diagram

The illustration shows an example of a lighting system. Variations are possible.

- Only connect the LED light to components with compatible connections as approved by Blue Mar Basins
- Each light may be wired in a series connection as each luminaire contains a DMX/RDM repeater. No more than 30 devices should be installed in a single series.



Connecting Super Novas

Note the following:

- Do not exceed the maximum connected power rating of the Super Nova
- Adhere to the maximum cable length per connection in order to limit the voltage drop.
 - An excessive voltage drop can lead to malfunctions and/or permanent damage
- Only use originally installed cables – do not splice

Power supply

Blue Mar Basins power supplies should be used unless prior written permission from Blue Mar Basins is obtained.

- Output voltage: 24 V DC
- Residual ripple: Max. 5 %

Maintenance and cleaning

Cleaning the device

- Clean all components with clean water and a soft brush.
- Never clean the device using a pressure washer.

Storage/winter protection

If the ambient temperature leaves the permissible temperature range uninstall the unit.

In case of extreme frost or ice loading, uninstall the unit. Thoroughly clean and check the unit for damage.

Troubleshooting

Issue	Possible Cause	Troubleshoot Procedure
Super Nova does not light up	No supply voltage	<ul style="list-style-type: none"> • Check all cables and connections • Ensure LVLC's are on (where applicable) • Ensure breaker in junction box is on (where applicable)
	Light is not connected	<ul style="list-style-type: none"> • Connect light
	DMX Channels set to zero	<ul style="list-style-type: none"> • For lights with 6 or 7 channel personalities, ensure dimmer channel is not at 0 or a low, dim value • For lights with 5 or fewer channel personalities, ensure color channels are not at 0 or a low, dim value
	DMX Controller, Gateway, or Splitter defective	<ul style="list-style-type: none"> • Determine which unit is defective and proceed with the malfunction remedy according to its operating instructions
	No supply data	<ul style="list-style-type: none"> • Check for continuity between DMX cabinet and Gateway, between Gateway and Splitter, between Splitter and Light and, where Daisy Chained, between Lights.
	Light is defective	<ul style="list-style-type: none"> • Have light repaired by manufacturer
	Light overheated	<ul style="list-style-type: none"> • No measure necessary – when light is removed from pool it may overheat and will flash amber and white to alert it is about to power off due to overheating
Super Nova does not light up in the desired color	Incorrect Personality	<ul style="list-style-type: none"> • Change personality via RDM • Check LED values and DMX address • Verify show lighting mode has been selected (where available)
	LED's are defective	<ul style="list-style-type: none"> • Have light repaired
Low luminous intensity	Light excessively dimmed	<ul style="list-style-type: none"> • For lights with 6 or 7 channel personalities, ensure dimmer channel is not on a low or dim value • For lights with 5 or fewer channel personalities, ensure color channels are not at a low, dim setting • Verify show lighting mode has not been selected (coming soon)
	Light glass dirty	<ul style="list-style-type: none"> • Clean glass
	Damaged LED's	<ul style="list-style-type: none"> • Have light repaired
Light Flashes	Light overheated	<ul style="list-style-type: none"> • No measure necessary – When light is removed from pool it may overheat and will flash amber and white to alert it is about to power off due to overheating
	Water intrusion due to physical damage	<ul style="list-style-type: none"> • Have light repaired
	Strobe is on	<ul style="list-style-type: none"> • If light is set to a 7 channel personality, ensure the strobe channel (Channel 6) is set to 0

Technical Data

Rated Voltage	V DC	24
Power Consumption	W	96
Light Current, total (white)	lm	4,915
Color Temperature (white)	K	4400
Protection Class		IP68
Max Submersion Depth	Ft / m	9.8 / 3
Permissible ambient temp.	°F	40°F - 100°F
Storage temperature	°F	0°F - 150°F
Cable Length	Ft/m	100 / 30
Light Weight	lb	7
Part Number		BMB.PL.96W.RGBAW.DMXRDM

Repair

The unit may only be repaired by Blue Mar Basins.

Disposal

Do not dispose of this unit with household waste.

- Return light to Blue Mar Basins
- Should you not be able to return the light and have questions, please contact your local disposal company. They will give you information on how to correctly dispose of the unit.