



BIO REEF LED

Reef Ready Aquarium

Reef-spec High output lighting

- Power compact T5 Fluorescent lamps
- LED - Powerful 6 x 1 watt Marine White and 4 x 0.5 watt Marine Blue

Discrete high capacity filtration

- 4 stage filtration with heater and skimmer chambers

Efficient Skimming

- Kent Marine Nano Skimmer included

High Flow Circulation

- 10 times per hour circulation - twin returns
- FREE High Flow Pumps included giving 21 times tank turnover per hour

Plug and play

- All equipment discreetly housed in the filtration compartment



BR94

Capacity 94 Litres Size 570mm (H) x 450mm (W) x 510mm (L)

The Kent Marine Bioreef Aquarium is the latest new nano reef aquarium and has been designed to allow easy reef keeping for all.

Lighting, circulation and water quality are to main hardware factors in creating and maintaining a successful reef aquarium.

The following pages show how each of these key elements has been achieved in the Bioreef to make your reef keeping enjoyable.

We hope you enjoy successful reef keeping with your Bioreef



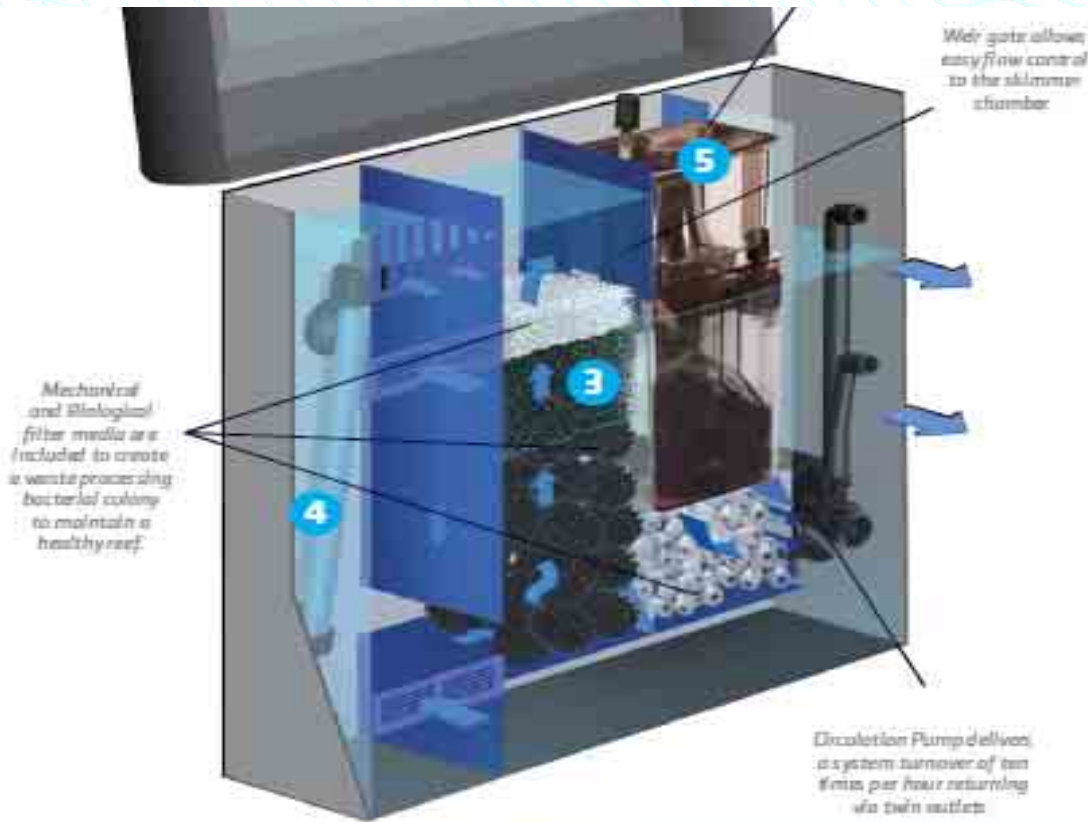
Practical fishkeeping Magazine reviewed the Bioreef as part of its Sept 2010 issue and commented...

...The Verdict

'One of the most suitable tanks for a nano reef because of its lighting, filtration and water flow. It has a large volume and although similar to the River Reef, this Kent tank is well thought out and more suitable for marines.'

Practical fishkeeping Magazine Issue 9 September 2010

Water Quality & Circulation



Discreet Filtration Including:

- Heater chamber & Deltatherm Heater
- Foam, Bio balls & Ceramic Media.
- Weir Gate –allows control of water level in skimmer chamber
- Nano Skimmer
- New 1000 Litre /hour giving over 10 times tank circulation per hour

BONUS FOC Circulation Pump

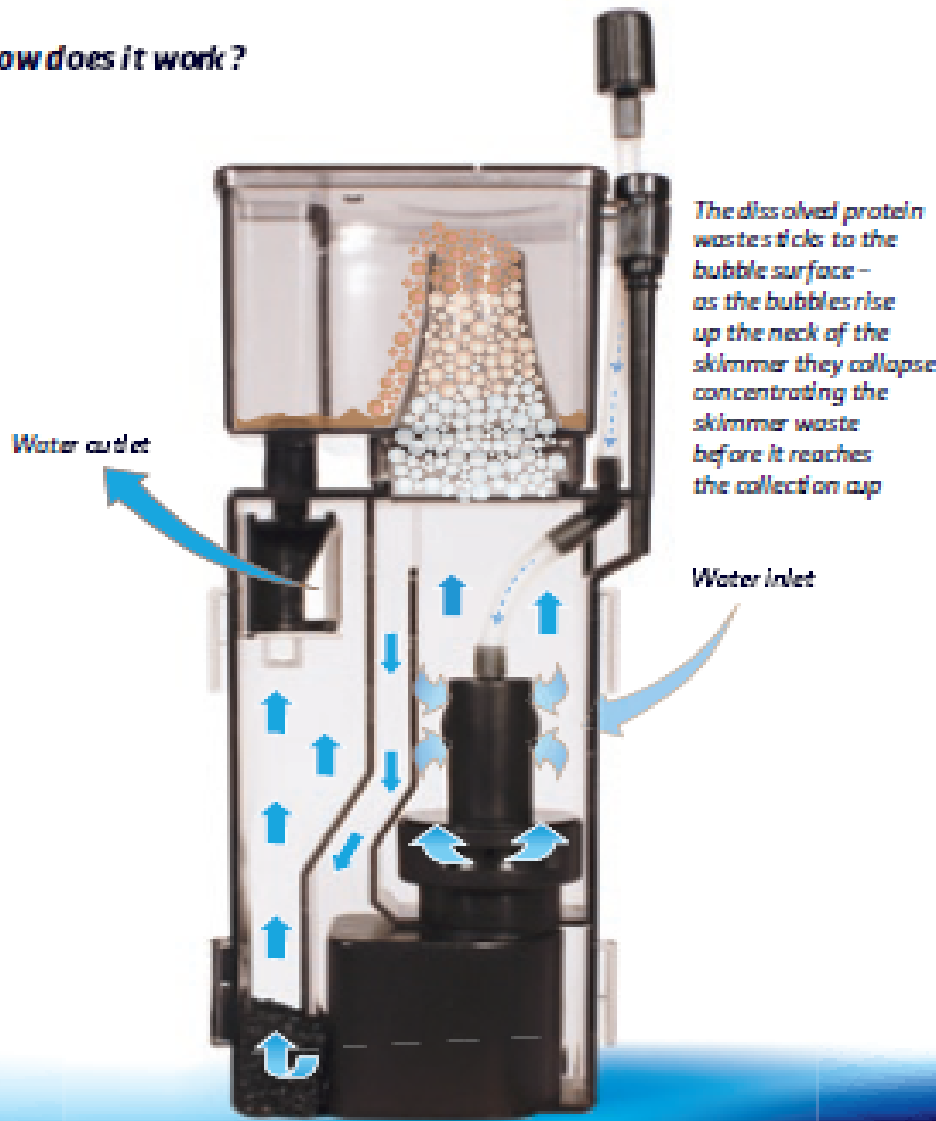
2,000 litres per hour – Extra 21 times tank volume turnover. magnetic mounting enables flexible installation



KENT
MARINE

Water Quality continued

How does it work?



Easy Installation

Slim design allows easy installation and use.



Easy Adjust

Easy to use flow control, comes complete with tool.



Efficient performance

8 blade – 32 pin Air blender impellor giving maximum mixture of air and water to remove unwanted pollutants from your aquarium.



Easy Maintenance

High capacity collection cup. Easy to Remove and clean



Lighting

Powerful Lighting enhanced by LED's

Power compact T5 lamps provide the main supply of light with a Reef Daylight white lamp and Reef Daylight blue lamp providing 36 watts each of lighting power.

In addition the 6x1 watt of Marine White LED Lighting - each LED has a wide angle 120° output - gives a blanket spread of light to boost the Power compact lighting.

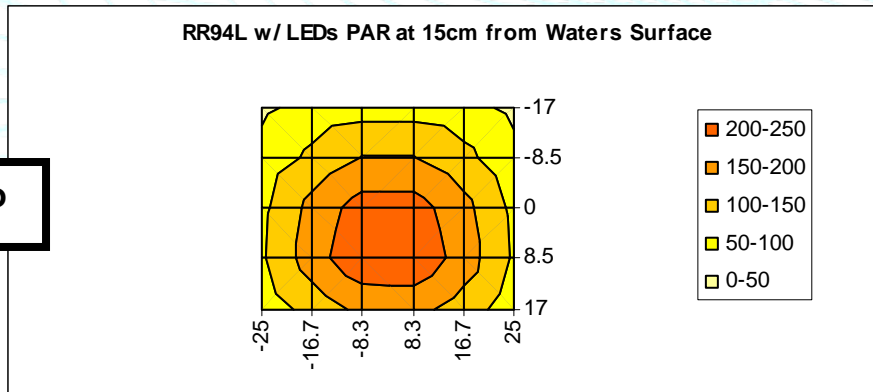
The 4x0.5 watt Blue LED give a stunning twilight view of the reef whilst boosting the health giving Actinic part of the spectrum.



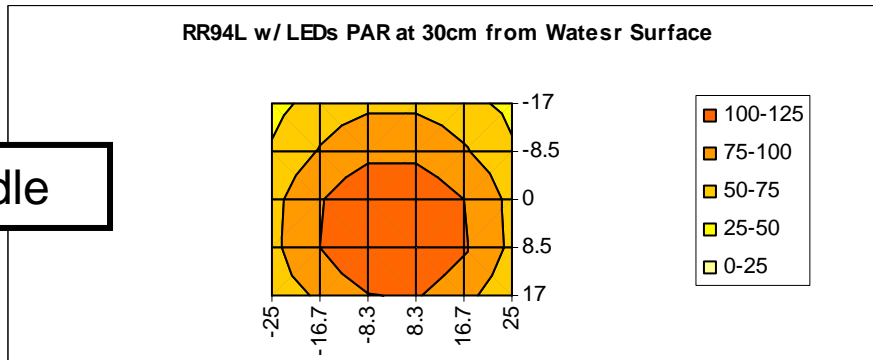
Lighting Continued

PAR (Photosynthetically Active Radiation) is a measure of the light spectrum which Plants/Algae require for photosynthesis.

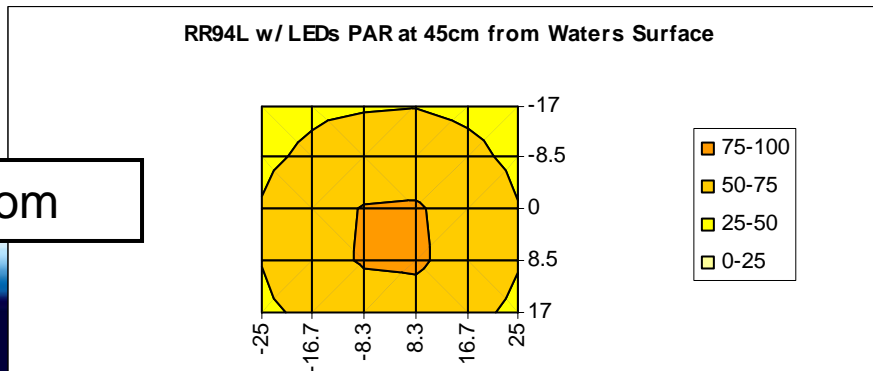
TOP



Middle



Bottom



PAR reading at bottom of aquarium =75 . Requirements of most entry level corals is 50 (Micro Mols)

KENT
MARINE

Kent Nano Reef A&B – Supplements made easy!

- Nano Reef A&B are a two part calcium and KH buffering system.
- Two part systems allow the hobbyist to control calcium and KH levels precisely by adding one part or the other as the aquarium chemistry requires.
- Part A contains calcium, magnesium, potassium, iodide, and other trace elements.
- Part B contains carbonate, bicarbonate, sulfate, and trace element salts.
- These salts need to be added separately to prevent them from reacting with each other and precipitating out of solution.



NEW KENT Marine Reef Salt mix - Ideal for your Bioreef Aquarium



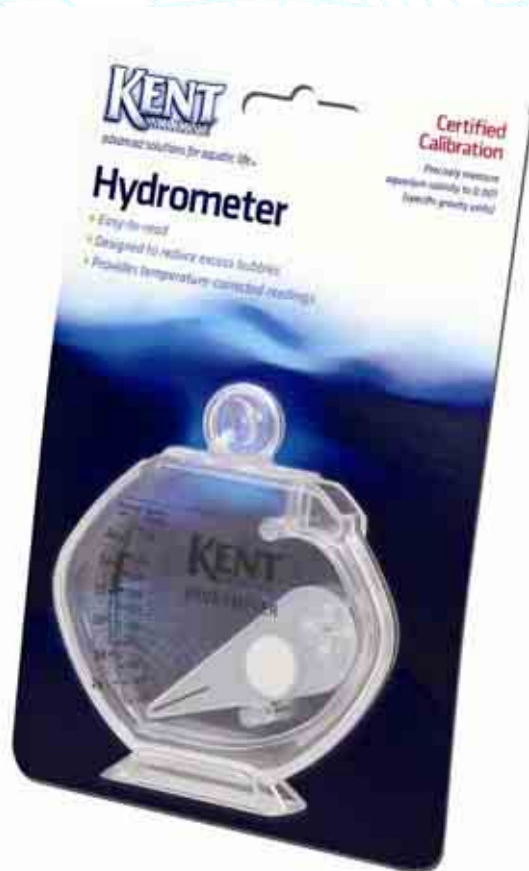
KENT Marine Reef Salt Mix				
All in PPM (mg per litre) except pH				
Calcium	Magnesium	Potassium	Bicarbonate	pH
570	1310	505	211	8.2
Most rapidly depleted element from sea water - used by corals for skeleton building. 22% more than market leading natural salt	Needed to be this high to maintain the high level of dissolved calcium	Essential for coralline algae growth and Coral Colour and growth	This is high owing to the high level of calcium - will maintain a stable pH	Stable once dissolved

Strontium	Sulphur	Bromine	Boron (Borate)
8.9	1110	96	0.66
Need to ensure strong Coral skeletons	Key for coral growth a colour - ensures high levels of magnesium solubility - also used by Nitrate reducing bacteria. Low sulfate levels lead to low magnesium concentrations and increase in nitrate	Used by Macro Algae and Sponges	Needs to be kept low as high level of this substance are toxic to corals. This new formulae is up to 7 times lower than the competition.



Please Note: FREE Consumables kit , Reef Salt mix, Kent Marine Hydrometer and Nano A & B only available with the Bioreef aquarium from certain stores.

NEW KENT Marine
Hydrometer - Ideal
for your Bioreef
Aquarium



Required to measure Salinity accurately in the aquarium.

Reads both Specific gravity and Salinity

Designed to reduce Bubbles in the unit which give false readings.

Bioreef LED - Specification

- Lighting
 - 1 x 36 watt Power Compact Daylight Lamp – 10,000k Marine white lamp
 - 1 x 36watt Power compact Daylight Blue – 50% 10,000k Marine white – 50% Actinic Blue
 - 6 x 1watt Marine White LED's 4 x 0.5 watt Marine Blue LED's
- Circulation
 - 1 x 1000L Hour circulation pump (15 watts)
 - 1 x 2000L/hour Hi Flow Wave maker pump (3 watts)
 - 1x Skimmer pump (4 watts)
- Heating
 - Heater 200 Watts
- Total Power consumption
 - Running Maximum 50 % of time lighting (24hrs) =80watts
 - Running 100% of time (Circulation & skimmer) = 22watts
 - Running intermittently (heater thermostat)= 200watts