Sea Light

GrassyCore Technology — **Real Spectrum LED Light**

Smart LED Aquarium Lighting

APP Control

Only fish

Reef

android iPhone

AQUAVIE

FRANCE

SmartPhone Control & Friendly Users' Interface...
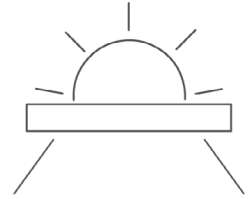
Major 6 Oceans

Ultra-easy APP with built-in AI

Special Effects

Spectrum simulation by depths

Custom-make natural light

The spectral distribution is real good for SPS and LPS...

- Easy to program the water depth 0m~50m by smartphone
- Real performance the working of wavelengths that effective for coral fluorescence protein and photosynthesis
- It has a good balance between wavelength and amount of light
- Covers a wide wavelength range of 390nm to 700nm

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— Depth 2
— Depth 4
— Depth 8
— Depth 16
— Depth 32
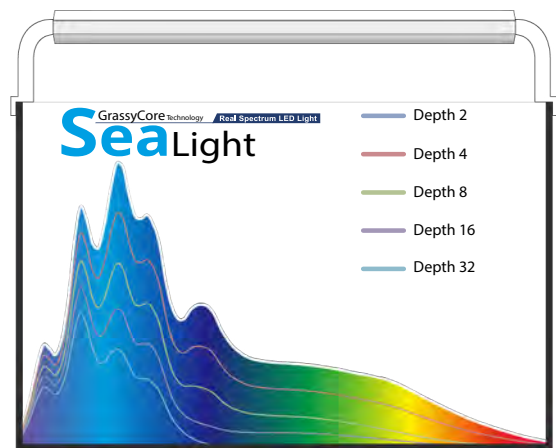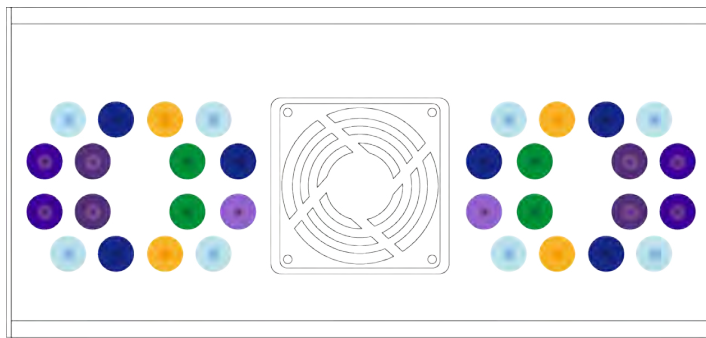
The most perfect spectrum for motivating fluorescent pigments of corals.

Hawaii   Caribbean Sea   Mediteranean Sea
Comoros   Okinawa   Great Barrier Reef

- ■ Finished deluxe coating, the exquisite aluminum
- ■ Outline in just 3,16 cm thick
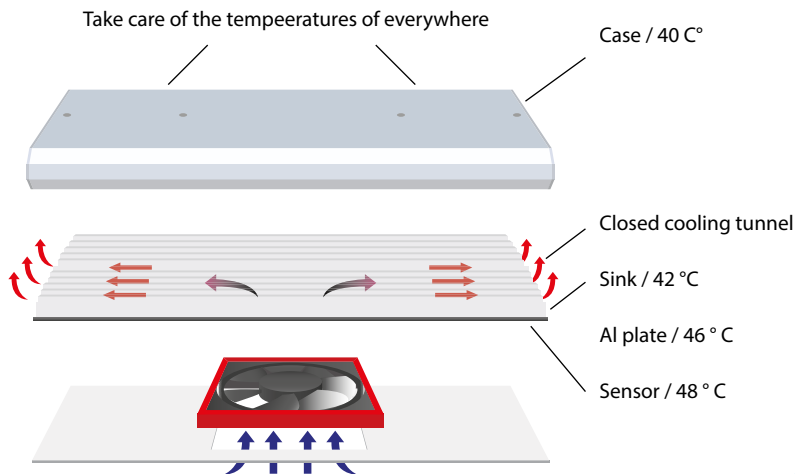
3,16 cm

- ■ Purely stylish bracket with multiple installation
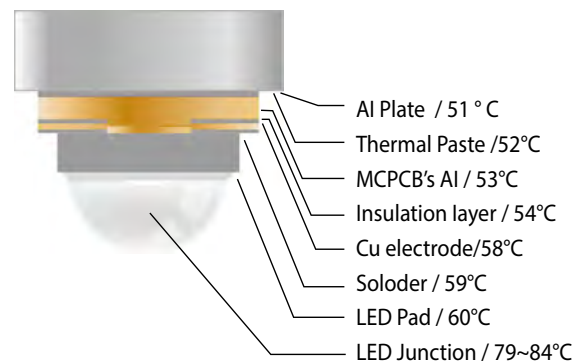- ■ Modular design allows fitting various size tank

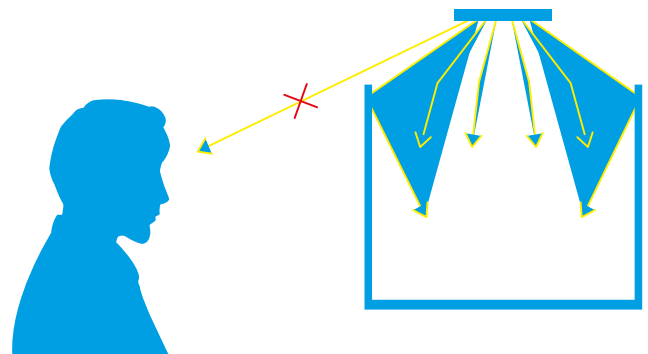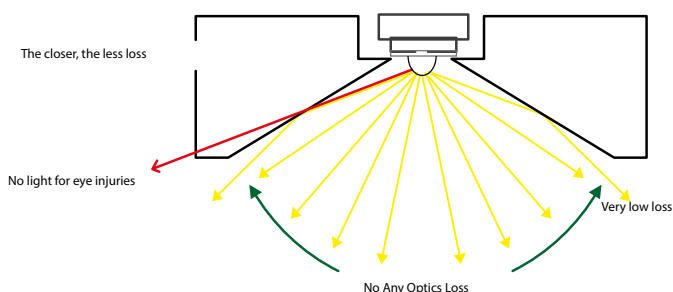## Best design of thermal conduction and heat dissipation...

Mechanism decomposition

Take care of the tempeeratures of everywhere

Case / 40 C°

Closed cooling tunnel

Sink / 42 °C

Al plate / 46 ° C

Sensor / 48 ° C

Temperature distribution

Al Plate / 51 ° C
Thermal Paste /52℃
MCPCB's Al / 53℃
Insulation layer / 54℃
Cu electrode/58℃
Soloder / 59℃
LED Pad / 60℃
LED Junction / 79~84℃

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Viewer friendly...

The closer, the less loss

No light for eye injuries

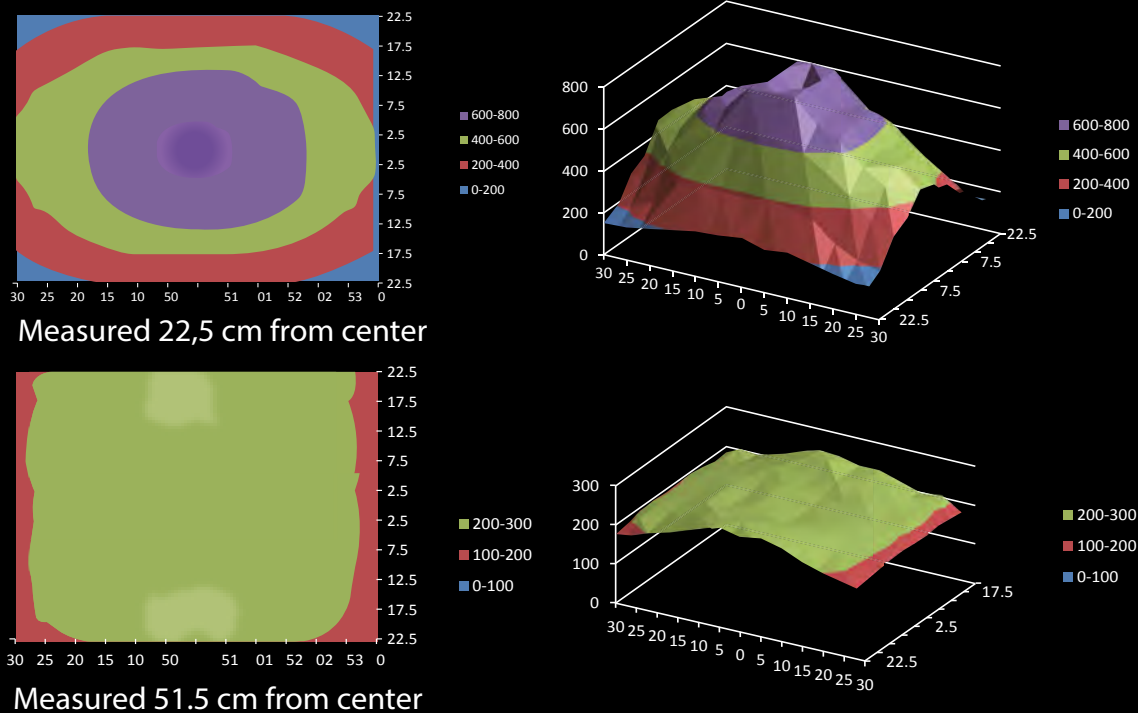Very low loss

No Any Optics Loss

- ■ The specially reflector developed can be distributed light evenly to the aquarium efficiently
- ■ Use soft condenser lens to reduce multiple shadows condition
- ■ Light distribution angle may reduce light shot to eyes directly
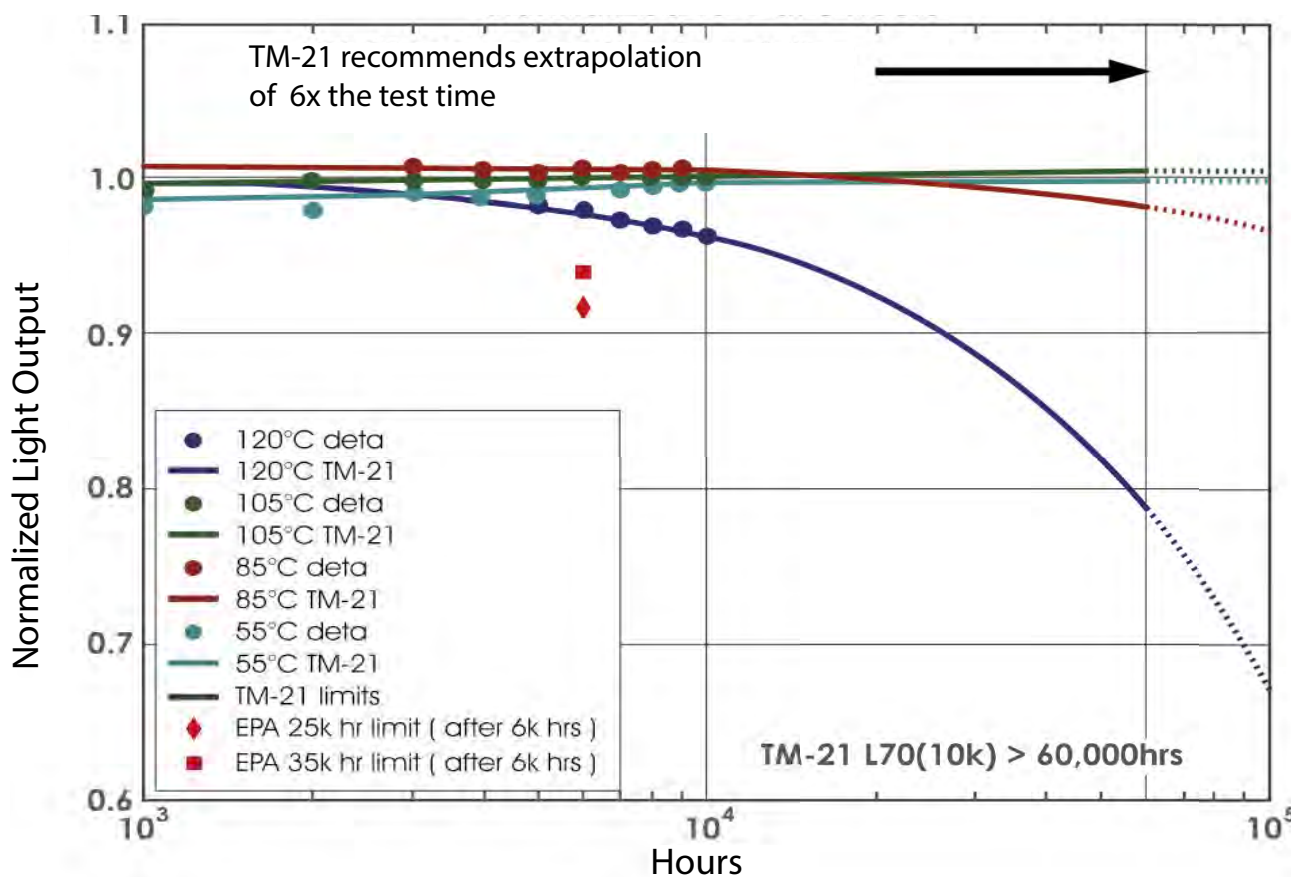
Distribution Graph...

Light distribution

Measured 22,5 cm from center

Measured 51.5 cm from center

SeaLight - GrassyCore PPFD [µmol/m2·s] (Containing 60x45cm aquarium glass reflection)

LED Overheated curve

Lumen Maintenance for If = 350mA - Normalized to 1 at 0 hours


TM-21 recommends extrapolation of 6x the test time

TM-21 L70(10k) > 60,000hrs

Legend:
- 120°C deta
- 120°C TM-21
- 105°C deta
- 105°C TM-21
- 85°C deta
- 85°C TM-21
- 55°C deta
- 55°C TM-21
- TM-21 limits
- EPA 25k hr limit (after 6k hrs)
- EPA 35k hr limit (after 6k hrs)

Normalized Light Output

Hours

SEA Light

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L'APP...

- ■ APP with build-in Six Oceans options
- ■ Available in Easy mode and Advanced Mode
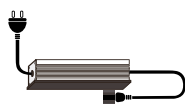- ■ Various weather conditions and special effects
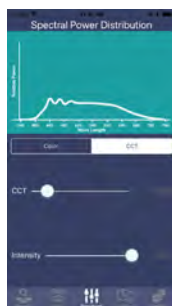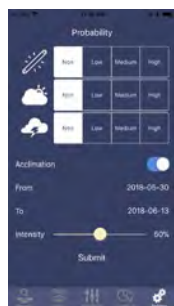
- ■ One to multi-lightings direct control
- ■ No central controller needed
- ■ New communication technology
- ■ Application in multi-languages
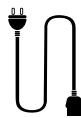(French, German, English, Spanish, Portuguese, Italian, Dutch, Greece, Czech republic, Poland, Hungary).
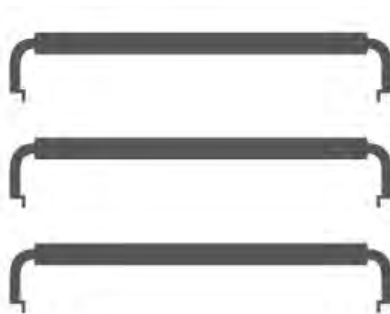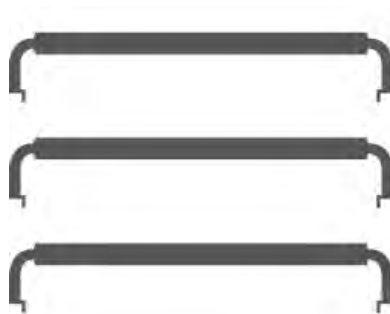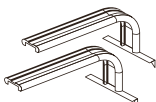
Included

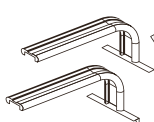| SEAlight | Adapter | Power Cable | Bracket Kit 28,5 x 9 cm | Tool Pack | Instructions |

Optional Accessories
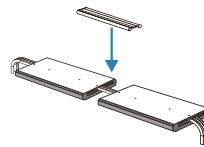
Hanging Kit (AV5100)

Bracket Kit

L21xH9cm, for 45-60cm tank (AV5105)
L36xH17cm, for 60~75cm tank (AV5106)

Single Arm, Height, Length Adjustable (AV5107)

Linking Kit (30cm) (AV5101)

Mounting frame

For 120~135 cm tank (AV5102)
For 145~180 cm tank (AV5103)
For 180~195 cm tank (AV5104)

Sea Light

GrassyCore Technology — Real Spectrum LED Light

Model	SeaLight - Grassycore
Color	Black / Silver
Size	36,5 x 16,4 x 3,16 cm
Weight	1,8 Kg
Code	Black: AV5000 - Silver: AV5001
OSRAM CREE Leds	**CREE:** Cool white x 8 pcs · Prolight 400 UV x 2 pcs · Prolight 425 UV x 2 pcs · Blue x 4 pcs **OSRAM:** Blue Royal x 12 pcs · Cyan x 2 pcs · Deep Red x 2 pcs
For tank MAX	L80 cm x l60 cm x H80 cm
Power MAX	148 W
Input Range	100 - 240 VAC 50/60 Hz
Output	15 VDC - 9,5 A

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