

# WEED WORLD™

ISSUE 166

RED MIMOSA  
AUTO

# XL

*the  
grow  
diaries*

# Runtz LAYER

# CAKE

Alzheimer's  
& Cannabis

THE POWER OF AI



LED LIGHTS

REVIEWED

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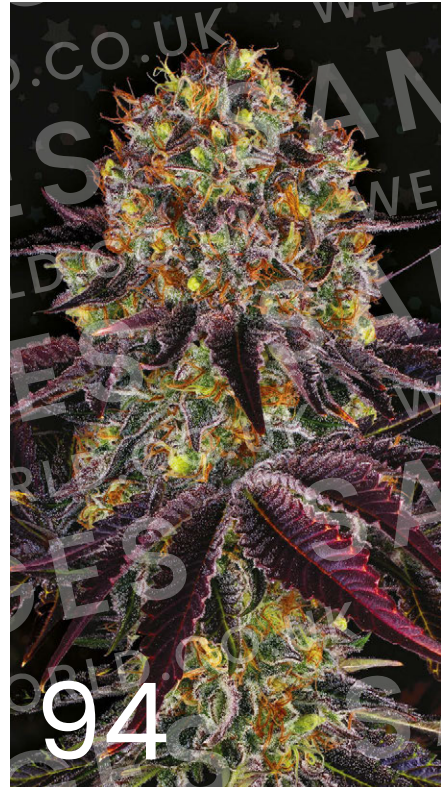
### FEATURED STRAIN: RED MIMOSA XL AUTO

Have you ever wondered if it's possible to have marijuana plants with purple or violet flowers?



### THE GROW DIARIES: BUBBA 76

*The Grow Diaries* are back with a great Bubba 76 (Emerald Triangle Seeds) indoor grow.



### FEATURED STRAIN: RUNTZ LAYER CAKE

Barney's Farm have created an incredibly richly layered variety with all-star genetics.

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**AND even more tasty snippets inside!** | Cover: Red Mimosa XL Auto (Sweet Seeds). See page 44 for more info.

FORGET  
RESCHEDULING  
IT'S TIME TO

# DESCHEDULE CANNABIS

By Simpa | [TheSimpLife.com](http://TheSimpLife.com)





### week 3 VEG

Doing nicely now, spreading out well, and going to take off this week; it is a bit cool temps sometimes, but other than that, all is good. Feeding daily for a run of 0.3l or something under CFL will start moving under led for 12 hr and CFL for 6: strong and healthy stem, no support for this one.

### week 4 VEG

This girl is doing nicely transplanted to a 2l pot with Mykos and Biobizz light mix, and she had nice roots and plenty. Fimmed her, and she seems to be doing okay. I fed her with just water until runoff on transplant.

VEG

**LIGHT SCHEDULE**  
**18 HOURS**

**POT SIZE**  
**0.79 GALLONS**

**PLANT HEIGHT**  
**5.91 INCHES**



### week 5 VEG

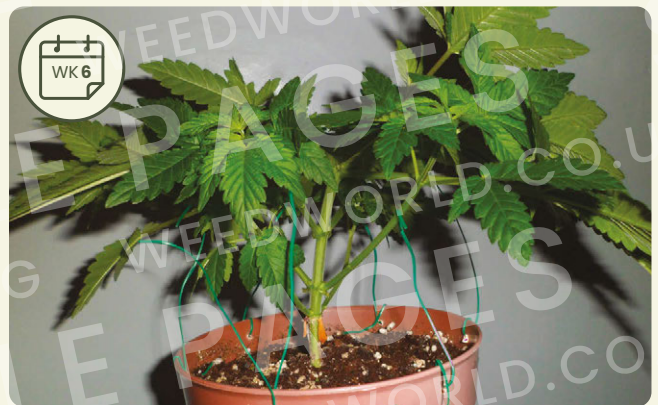
She's doing well with nice and chunky stems, already got 2 tops from fimming, and bouncing back well-fed. She has been fed just 2 feeds of water, around 500ml since the transplant. She's drinking a bit quicker than the Blackberry OG but is a bit smaller. I will be training her when her branches have grown a bit.



### week 6 VEG

Bubba's doing awesome bushing up nicely, a bit slower than what I'm used to in Coco, but looking super healthy. I did some defoliating 1st on her, spread her out, and got some nice branches and tops going on.

Feeding just water still. Will be using some Vertafort on transplant and feeding with the growth booster tablet mixed with water see how it goes on them. I just started seeing roots come through the pot and will do a final transplant soon.



VEG

**LIGHT SCHEDULE**  
**18 HOURS**

**POT SIZE**  
**0.79 GALLONS**

**PLANT HEIGHT**  
**9.84 INCHES**



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Auto SFV OG from Dutch Passion  
For more info, turn to page 84

# LED GROW LIGHTING

## COMPARATIVE REVIEW

**PURPOSE OF REVIEW** The review aims to compare some currently available LED grow lighting fixtures and possibly to identify "best buys." Of course, fixtures will be chosen on various criteria, depending upon the end user's requirements, circumstances, and preferences. But it is hoped that this comparison may be useful to all.

**INDEPENDENT TESTING** Independent testing of all the fixtures was carried out by LUX – TSI of Pencoed, Cardiff. Accredited to ISO/IEC 17025:2005

**RATING** The fixtures were rated by comparing output, efficacy, and coverage area in relation to cost. The amount of variance between the actual performance of the fixtures and the manufacturer's claims was also considered, but this did not significantly affect the final rating. The rating calculation can be found opposite, at the bottom of page 69..

## JUNGLE JACKSON NEMESIS 200W

A sound LED fixture, but over-promising.

RATED  
#  
**6**

This LED fixture is well-made and will function as intended. It aspires to appeal to the large-grow market, where it could be used in a multi-fixture array and externally controlled via Bluetooth. A single-tent grower would need to use 2 fixtures to light a 1.0m<sup>2</sup> grow – a relatively costly set-up. It is hoped that larger growers can make deals based on economies of scale.

After buying a pair of these fixtures, the 'Lianas' adjustable connecting hanger rig and a basic dimmer kit all cost extra. That's a lot to light a 1-metre tent, even with a three-year warranty. The huge disparity between the claimed efficacy of 3 µmol/J and the tested efficacy of just above 2 µmol/J is disappointing.

### POSITIVES

- Samsung & Osram LED chips.
- Driver by Inventronics
- Large aluminum heat sink plate

### NEGATIVES

- Dimmer only available as an accessory at extra cost.

- External Bluetooth control only available as an accessory at extra cost.
- Two fixtures are required to cover 1m<sup>2</sup> growing area.
- Rewirable plug and exposed wiring non-compliant with CE/UKCA requirements.
- Diodes unprotected if fixture placed face down on a flat surface prior to installation.

### SPECTRUM

The manufacturer gives no information on spectrum. The tested spectrum is reasonable, with peaks in the blue around 450 nm and in the red around 620 nm.

### TEST PERFORMANCE

- Measured PPF Output of 419 µmol/s. The manufacturer gives no claimed PPF.
- Measured PPE Efficacy of 2.08 µmol/J is 44.4% less than claimed 3.00 µmol/J

