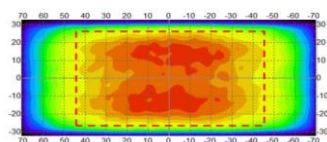


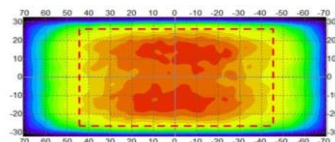


**Q1: How to raise yield rate of a plant factory?**

**A1:** For a controlled environment, low light intensity and uneven light distribution can be the reasons of low yield rate. You can use a reflector to increase average PPFD



With Reflector



Without Reflector



**Q3: What can we do when deformation or discolor happens to crops?**

**A3:** Different kinds of crops require different spectrum. Every plant has their own sensitivity for colors and intensity of light. Working with universities and research labs, Arianetech can propose the best spectrum recipes for crops



Deformation

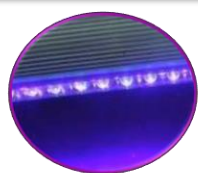


Healthy leaves



**Q5: Any LED lights to help with pollination?**

**A5:** Try our proven, specialized UVA lamps. It guides bees with a special UVA spectrum for pollination. This UVA light was adopted by a blueberry farmer in Japan.



Light red color



Enhanced red color

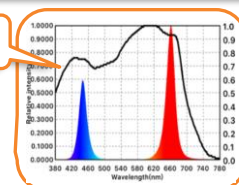


**Q2: I grow red lettuce, but the leaves are not red enough.**

**A2:** If the seed is right, the reason might be lack of light intensity. It's recommended to use our EZYGRO red-blue lamp. Red Blue is the most needed light for Photosynthesis, and with our optimal light source, it converts electric energy into light energy efficiently.

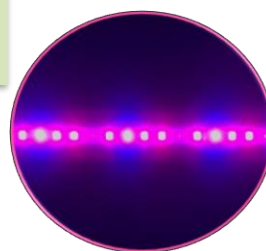


Photosynthesis

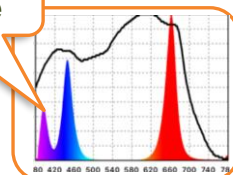


**Q4: How can I deal with insects problem?**

**A4:** You can try our EZYGRO's red-blue UV lamp that increases the secondary metabolites of plants thus enhance pest resistance and antioxidant components.



Enhance pest resistance



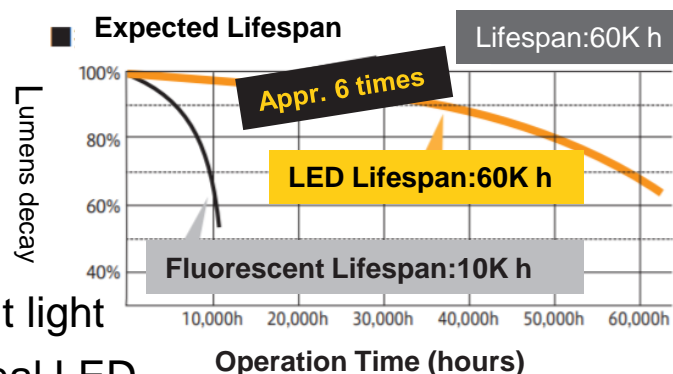
Energy Saving • Long Lifespan

**Save 30% energy** at higher efficiency than old models

## ❖ Electric bill simulation comparison

- Cultivation area : 600mm × 1200mm
- Cultivation Rack : L1450mm × W600mm × H1950mm(5Layers)
- Required LED Quantity:  
Old LED model: 25 PCS EZYGRO DGTH Series: 15 PCS
- Operation Hours : 12 hours per day
- Electricity Tariff : SGD 0.2302/KWH (Apr.-Jun.2020)

Monthly consumption: **80% Lower** than fluorescent light  
**30% Lower** than conventional LED



**ARIANETECH PTE LTD**

TEL: +65 6779 7245 | EMAIL: enquiries@alite.com.sg  
5 SOON LEE STREET, #05-47 PIONEER POINT, SINGAPORE 627607  
www.alite.com.sg | www.aliteshop.com