

Valoya



LIGHT FOR TISSUE CULTURE

SOLUTION GUIDE

Valoya Products for Tissue Culture

Valoya LED lights are durable, safe and easy to install. We will assist you in choosing the most suitable spectrum and model for your application.

Valoya L-Series (T8 LED tube)

Valoya provides T8 LED tubes for replacement of conventional fluorescent tubes.

Valoya C-Series

Valoya C-series is designed for high light intensity multilayer applications with multiple spectra options and dimming.

Easy to Install

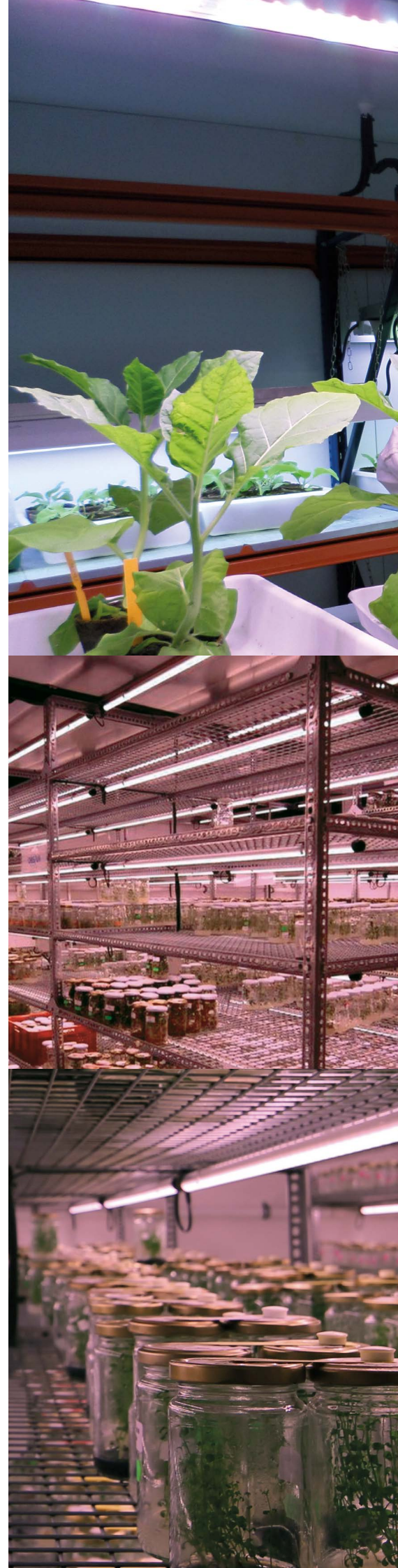
Valoya L-Series (T8 LED tube)

L-Series luminaires are easy to install into your current fluorescent fixtures. To maximize the power of the LED tube, we recommend to do the installation with our end-cap set which provides high ingress protection rating of IP64 or IP67 with minimal space requirement.

In the Valoya L-Series tubes light is directed downwards, hence no reflector is needed, enabling closer installation of the tubes to the plants.

Valoya C-Series

C-series luminaires are easily installed by using hooks or hangers provided by Valoya. They are chainable and dimmable, making them suitable for a large variety of applications.





Top /

A Spanish breeding company, Ramiro Arnedo uses Valoya lights in their breeding process.

Center /

Tissue culture at Selecta Klemm in Germany.

Bottom right /

Tissue culture using Valoya LED tubes



Valoya LEDs In Use

Valoya offers light for tissue culture applications with a high Color Rendering Index (CRI). This enables easy and safe observation of your plant material. Spectrum can be chosen according to your needs and aims, ensuring the best possible plant quality.

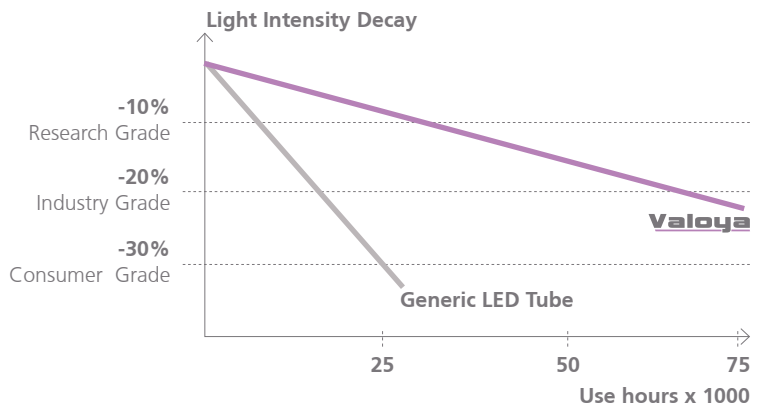
Valoya LEDs do not produce radiant heat towards the plants or generate excessive heat through an electronic ballast as fluorescent tubes do. Cooler Valoya LEDs are safe to touch and easy to clean, as they have an IP64 or IP67 rating when using the Valoya end-cap set.

Valoya LEDs have a light decay of only 10% at 35 000 hours and a typical lifetime of 50 000 hours.

Economical Savings

The achieved economical savings are a combination of longer lifetime and higher energy efficiency of the Valoya LEDs compared to traditional light sources. The demand for cooling also decreases when old technology is replaced with Valoya LEDs.

Disposing of used LED tubes is easy; Valoya LED tubes can be recycled with other electronic devices.



L Series (T8 Tubes)



- Lengths (mm): 1200 and 1500
- Lengths (inches): 47.2 and 59
- Retrofit for fluorescent tube fixtures
- Comes with either clear or diffused cover
- Up to 2,1 $\mu\text{mol/W}$
- Up to IP67 (dust and humidity resistant)

C Series



- Lengths (mm): 1175, 1475 and 1756
- Lengths (inches): 46.3, 58 and 69.9
- Slim and lightweight with high light intensity
- Dimmable
- Up to 1,8 $\mu\text{mol/W}$
- IP66 (dust and humidity resistant)

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