

 **PURELED 480**

 **PURELED 645**

Read this instruction manual before installation
Lea este manual de instrucciones antes de

Lire ce manuel d'instructions avant l'installation

la instalación



The PureLED agricultural luminaire combines high performance with an original, practical, yet durable and stable design. The diodes and ballast of leading brands, such as Samsung and Meanwell, with superior performance, make this luminaire one of the most powerful and reliable on the market. The new passive thermal dissipation system makes it possible to dispense of any fans and other moving parts, thus achieving a completely silent operation.

The luminaire has full spectrum lighting for the entire crop cycle - from germination to harvest - including ultraviolet (UV) and far-red diodes for optimal plant development. The intensity is adjustable in four steps (25% -50% -75% -100%) providing a versatile and useful device.

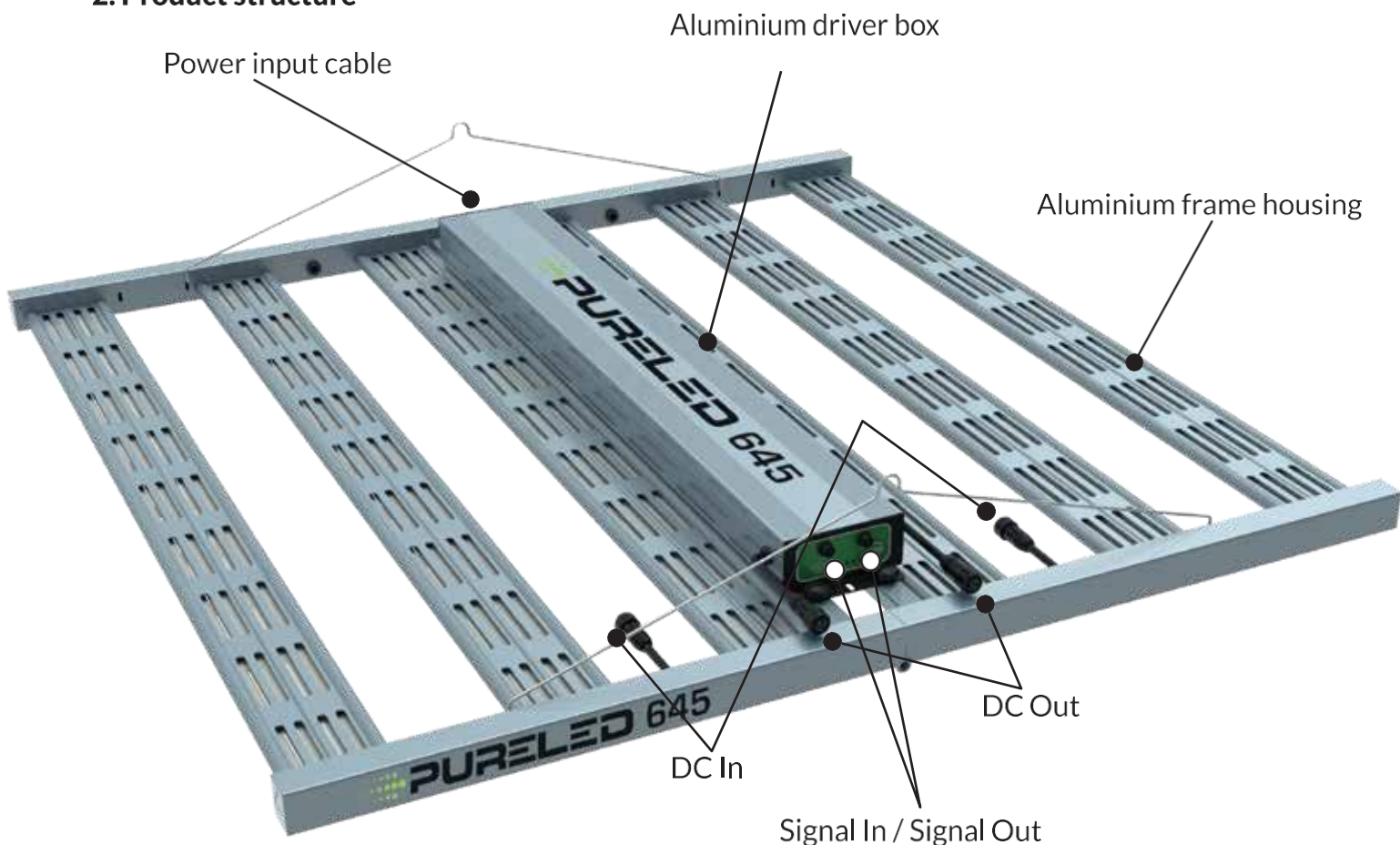
The PureLED luminaire is suitable for growing surfaces up to 150x150cm (645W) and 120x120cm (480W) respectively.

1. Delivery contents list

- 1 x Led Grow Light
- 1x Driver box
- 1 set x 1/8 hanging kit
- 4 x m4*8 thumb screw
- 1 x power cable
- 1 x Universal instruction manual

Please keep the instruction manual and desist from throwing it away. It might come in handy with future trouble shooting

2. Product structure



3. Product datasheet

3.1. Product specifications

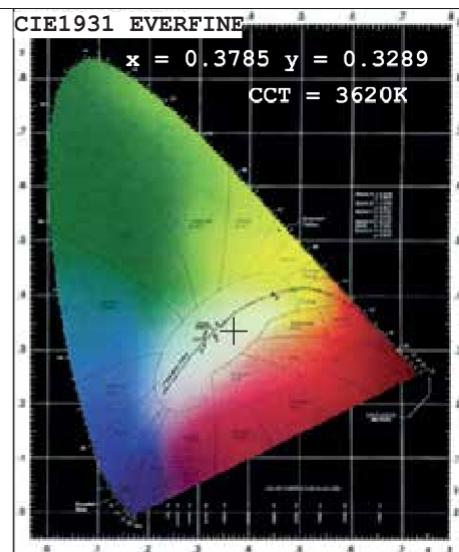
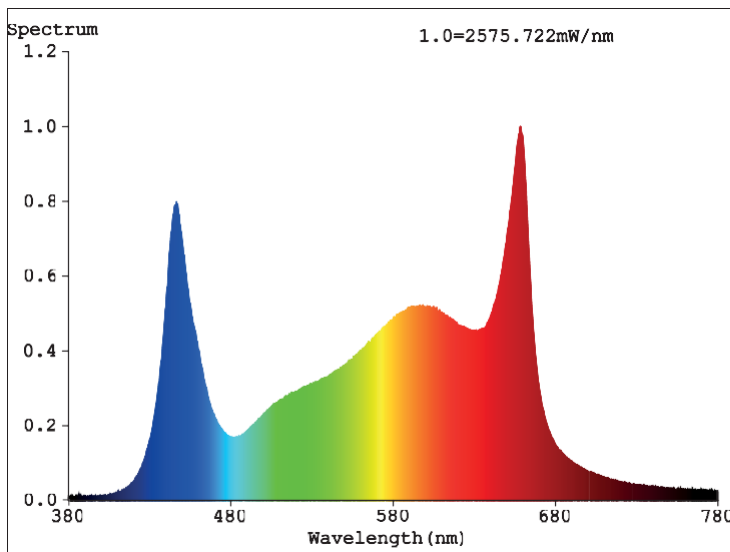
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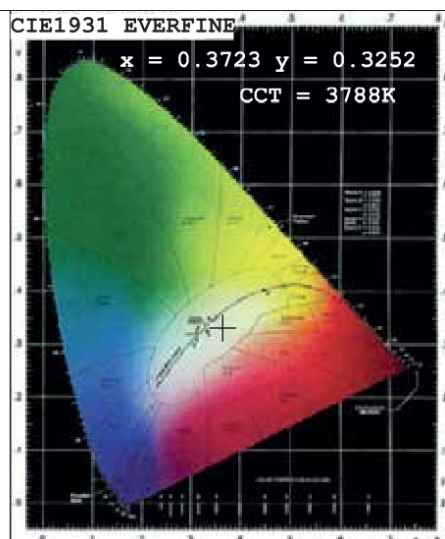
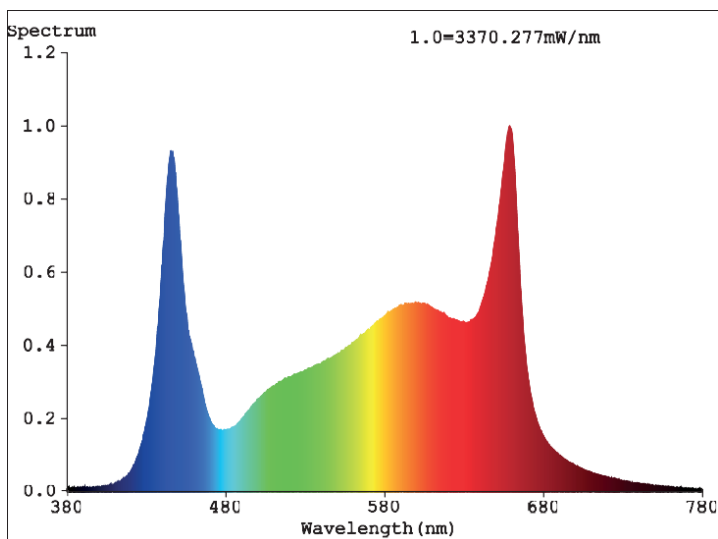
Power consumption	480 W	645 W
PPF	1311,9 $\mu\text{mol/s}$	1761,6 $\mu\text{mol/s}$
Efficiency	2,75 $\mu\text{mol/J}$	2,75 $\mu\text{mol/J}$
Product size	916 x 914 x 90 mm	1121 x 1116 x 90 mm
Net Weight	12 kg	14,5 kg
LED	Samsung SMD2835 // Honglitrionics	Samsung SMD5630 // Honglitrionics
LED Driver	Meanwell LED Driver	
Control	Via an external controller / Touch control	
Material	6063 aviation aluminium	
AC input voltage	AC 100V-277V	
Beam angle	120 degree	
Waterproof level	IP65	
Working temperature	-20° +40°	
Lifetime	50000 H.	

3.2. Spectrum

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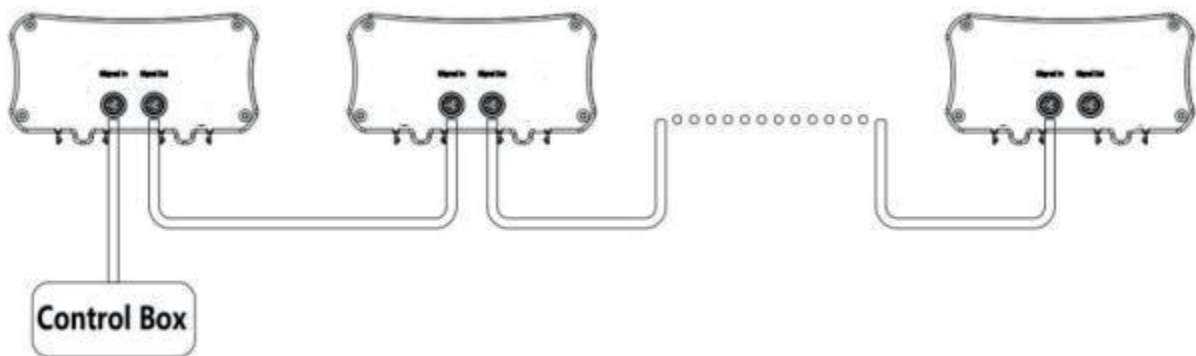


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4. Control

4.1. Control diagram



4.2 Control function

- Timer setting
- Dimming control
- High temp protection
- For large application up to 252 units
- Perfect simulation of sunrise and sunset



RS485 controller box

5. Application examples

- Indoor warehouse cultivation
- Growing farm

6. Preparation

•Transportation

Improper transportation may harm or can even cause damage to LED lamp and power housing box. In case of obvious damage or incomplete scope of supply please refer to your vendor immediately.

•Unboxing

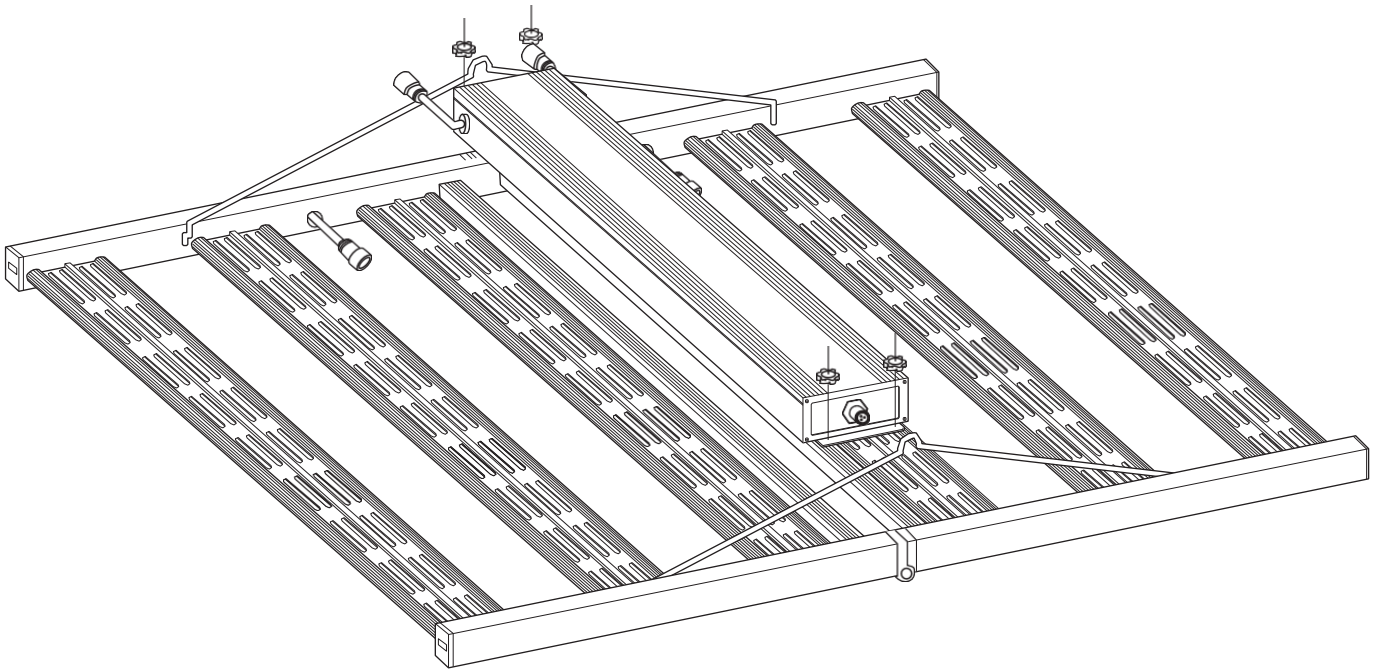
Please handle and unbox the LED lamp with care. Check the delivery contents for completeness first. A detailed list of the product range is contained in this manual.

Through transport or due to a long storage time, the LED-modules might get a little polluted. Therefore we recommend to clean the modules before each use with a dry and soft tissue.

7. Installation instruction

7.1 Installation:

- A. Put driver box right position in the middle of the lights as shown in the picture.
- B. Use M4x8 thumb screw to attach the driver box.
- C. Connect driver to fixture.
- D. Hang lights in place.



8. Operation

8.1 Safety measures & precaution

Warning! This LED fixture is powered with electricity (AC 100-250V)! To prevent injury, desist from improper use!

-Never open the housing of the device! Health hazards may occur and the warranty of the device is void.

8.2 Setting up

Operate the LED fixture only horizontally, while hanging or slightly angled (max 20°). Deploy the LED lamp fixture about 15-50 cm (at least 10cm!) above the top of the plants

8.3 Proper use

Do not use the LED fixture vertically or as illumination device upside-down (direct eye contact and long exposure over time may cause permanent damage to your eyesight).

We don't advise you to deploy the device as a room illuminant. It is exclusively designed and developed for plant breeding and cultivation. Please ensure the LED fixture is operated out of sight and out of reach of children and animals to protect their eyes.