

ULIGHT 110W PRO LED BAR

Great results require the best equipment

USER MANUAL

110 WATT LIGHT
W

308 PPF


2.8 $\mu\text{mol/J}$
H

FLOWERING SPECTRUM


VEGETATIVE SPECTRUM


EXTERNAL CONTROL


YEAR WARRANTY
2

Introduction

This manual explains how to install, run and maintain your **ULight 110W Pro LED Bar**. Assembly and installation of the luminaire may only be carried out by qualified personnel. Please read and fully understand this manual before using the product. Use the product only as described in this manual.

Safety information

- Read this manual completely before starting the installation or operation of this product.
- Installation and all electrical work must be carried out by qualified personnel and in accordance with the electrical safety regulations of your country.
- **ULight Pro LED Bars** are high performance lighting fixtures. Do not touch during operation.
- Connect the system only to power sources of the correct voltage, using the correct type of AC plug. Protect the cables from being cut, walked on or otherwise damaged.
- Ensure the fixture is firmly attached in place before turning on and be sure to disconnect power supply before moving the fixture.
- Do not touch the diodes with your hands, even when they are turned off.
- Do not stare directly at the light source.
- Dispose of waste according to local regulations.
- Do not let unit come into contact with water.

Distance between lamp and plants

The distance depends on the environment and the cultivated plant. In any case, a minimum distance of 15cm must be maintained.

Scope of application

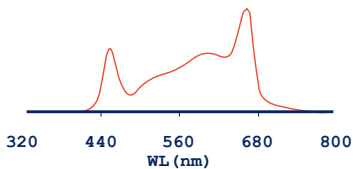
ULight Pro LED Bar is exclusively designed for horticultural applications. **ULight Pro LED Bar** is only suitable for indoor environments. The light is suitable for all terrestrial plants (not algae) and for all stages of plant growth. Vegetative and generative growth, hibernation and cloning.

Surrounding objects

No surrounding objects should touch the lamp or its components. Maintain a minimum distance of 5cm from all surrounding objects, including another lamp.

SPECIFICATIONS

Max. Power: 110W \pm 3%
Nominal Voltage: 200V - 277V
Nominal Current: 0.4A - 0.6A
Power Factor: >0.95 @110W
Input Frequency: 50 - 60Hz
Plug Type: AU
Efficacy: 2.8 μ mol/J
Output: 308PPF
Photon flux: 17548lm
Color Temperature: 3300K
Length: 1200mm
Width: 56mm
Height: 20mm
Weight: 3.2kg
IP Rating: IP65
Diodes: Samsung
Diodes quantity : 504pcs
Beam Angle: 180°
Dimming: 0-10V or 20% 40%
60% 80%
Temp. Range: -30°C to 30°C
Operation Humidity:
10% to 95% rh
Certifications: CE RoHS
Warranty Time: 2 years



DO NOT STARE AT THE LIT LAMP. THIS IS HARMFUL TO THE EYES. HIGH PORTION OF BLUE LIGHT CAN DAMAGE THE RETINA (EYE) - CALLED PHOTORETINITIS!

Ambient

- Indoor environment only
- Temperature range from 0 to +45°C
- Less than RH90%

Safety alerts and alerts

- Maintain a distance of at least 5cm from all surrounding objects.
- Only use the power converter supplied. Other power converters can cause damage.
- If any damage is found to the module or other system components, stop operation immediately and disconnect the main AC plug.
- The LED board and ballast as well as all components are not waterproof.
- Securely fix the LED plate to avoid falls and mechanical stresses of any kind.
- Turn off the fixture and allow it to cool for 10 minutes before touching it.
- Do not look at the lamp while it is on. It can be harmful to the eyes.
- IEC/EN 62471 (Eye safety) Group 2, moderate risk, Blue light 300-700 (weighted). Does not pose a danger due to aversive response to bright light or thermal discomfort. The high portion of blue light can damage the retina, known as photoreinitis.

Cleaning instructions

We recommend cleaning with all-free air (eg. compressed air or spray can). The LEDs or plate are blown with clean air. If compressed air from a direct supply is used, purified air must be used. Otherwise, contaminants may be sprayed. The simplest method is to clean the LEDs with a clean, soft, lint-free, dry cloth (cellulose or linen). Cleaning must be done without mechanical action! If this is not enough, isopropyl alcohol can be used. Ultrasonic cleaning is not recommended as it can damage the LED.

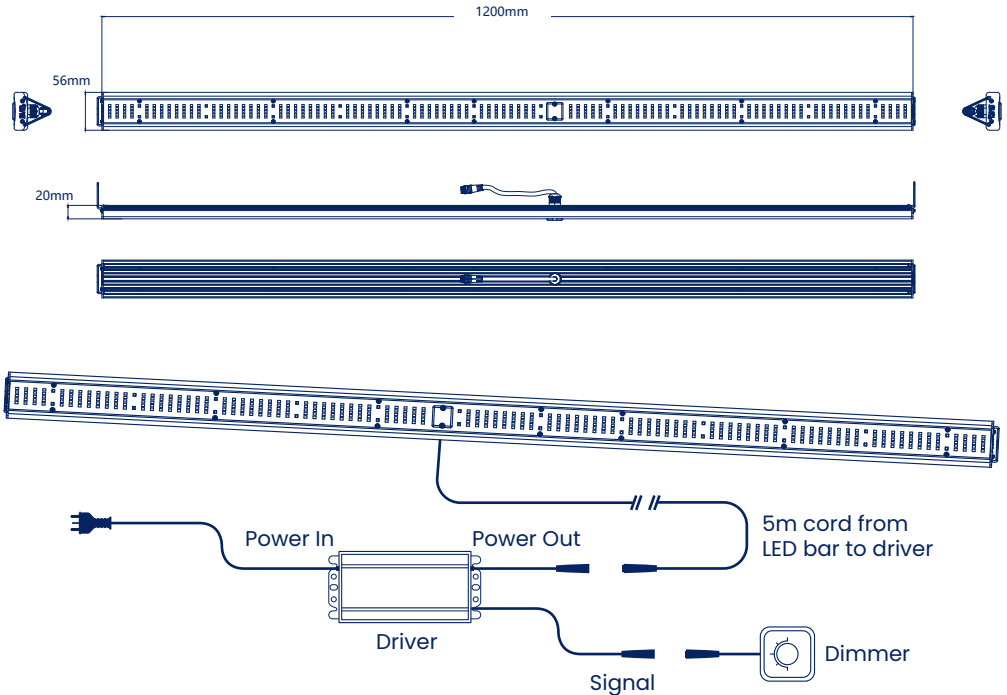
Warranty

ULight products have a full 2 year warranty. In case of damage, contact your supplier or reseller to check and claim the warranty.



Support and disposal

Please contact your supplier or reseller for service or technical support. This product must not be disposed of as household waste. Do not dispose of with household waste. Check the rules in force in your country for proper disposal.



Important Safety Information Installation

Mounting and install of the LED Light fixture & Driver may only be executed by a certified service professional in accordance with applicable local laws and regulations. Do not connect this product to an electrical power source before installation. Always wear gloves for protection when installing or using this product.

Environment

This product is intended for use inside climate-controlled rooms and horticultural environments. The ambient temperature that this product may be used is 32.95 degrees F / 0 to 35 degrees C.

Cleaning

When cleaning the outside of the LED fixture and driver, or any related components, shut down the electrical power supply, then disconnect the power cords of the fixture and driver from the electrical power source.

Repair

If the product does not function as designed, please contact the owner of the brand. Opening or modifying either the LED light fixture or driver without the prior written permission of, can be dangerous and will void the product warranty. **ATTENTION!** Always disconnect the LED light fixture and driver from electrical power sources before performing any maintenance.

Warning

LED horticulture grow lights can cause eye damage. Avoid looking directly at the product when the lights are turned on. Always use protective eye wash whenever near the product when it is turned on to protect your eyes.

WARNINGS

- 1- Use equipment according to the specifications for which it was designed.
- 2- Before performing any maintenance, disconnect the equipment.
- 3- Never look directly at the LEDs, their high intensity could damage your eyes.
- 4- The LEDs are protected with optical nano-resin, still avoid touching them to extend their performance and never rest the equipment on the LEDs.
- 5- Disconnect power before performing any maintenance on the equipment.
- 6- Always keep the aluminum top clean and dust free. This will extend the useful life of the equipment.
- 7- Discard the product and its packaging in places designated for it. Separate and recycle parts according to your local regulations.
- 8- Do not use the equipment at altitudes higher than 2000 meters.
- 9- This equipment is designed to work in a horizontal position with the LEDs facing downwards. Do not use the equipment in any other position.
- 10- U-Light is not responsible for installation, negligent use or non-compliance with law.