

Lux-LE^(t)D Start

Full Spectrum LED Horticultural Light



USER MANUAL

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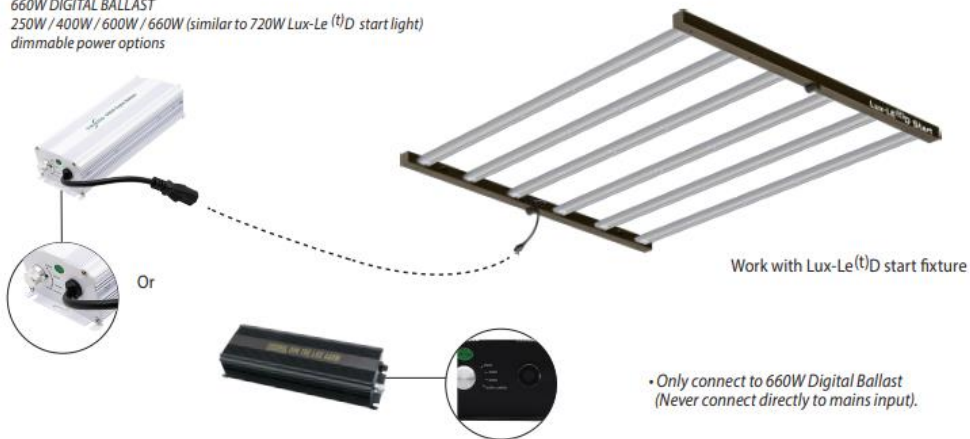


1 Product Description

Powered and controlled by the 660W Electronic Ballast (sold separately), this high-performing, high-efficiency Lux-Le (t)D start 6 Bar Fixture can be used singly or as part of a lighting array.

This Lux-Le(t)D start fixture is for indoor use only (climate-controlled indoor farms and grow rooms). But it is not meant for use in dwellings for general or architectural purpose illumination. The spectrum output for this Lux-Le (t)D start fixture is specially designed and manufactured for horticulture use only. Any use other is considered unintended use.

660W DIGITAL BALLAST
250W / 400W / 600W / 660W (similar to 720W Lux-Le (t)D start light)
dimnable power options



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2 Safety Recommendations

Please carefully read recommendations and warnings before installing and using the Lux-Le (t)D start fixture!
The installation and use of the Lux-Le (t)D start fixture is the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the Lux-Le (t)D start fixture.
The warranty shall become void if the product and/or electronic components are damaged due to incorrect installation.

⚠ WARNING

- 1 Always adhere to the local building and electrical codes (local rules and regulations) when installing or using the Lux-Le (t)D start fixture.
- 2 Do not open or disassemble the Lux-Le (t)D start fixture as it contains no serviceable parts inside. Opening and/or modifying the Lux-Le (t)D start fixture can be dangerous and will void the warranty.
- 3 Connect the system only to the power sources of the appropriate voltage using the plug received with the fixture.
- 4 Always switch off the main voltage before commencing installation or maintenance work. Let the fixture cool down for at least 20-30 minutes before proceeding, as it gets hot while operating, especially the heat sink and LEDs.
- 5 Never look directly into the light source while fixture is turned on. Doing so can cause damage to the eyes. Special glasses are recommended while being in the grow facility with the grow light fixture turned on.
- 6 Do not use the product when either the fixture or its power cable are damaged. Modifications to the cables can lead to unwanted electromagnetic effects which may damage the product.
- 7 Do not defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. You may replace the power cable with correctly rated cable only.
- 8 Protect power cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit.
- 9 Always disconnect the Lux-Le(t)D start fixture from mains before performing any maintenance
- 10 Do not use the Lux-Le(t)D start fixture near flammable, explosive or reactive substances. Do not use sulfur vaporizers or water misters.

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3 Package Includes

• The picture is for reference only. Please be subject to the actual products.



A Lux-Le(t)D start Fixture x1



B 1/8" Rope Ratchet x4



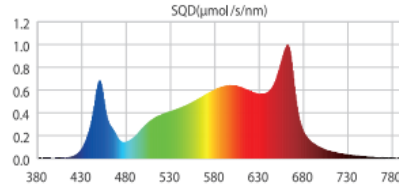
C Brackets x2



D Screws x8

4 Product Specifications

Max. Power Output	660W (When used with 600W Digital Ballast)
Number for light bars	6 bar
Input Voltage	220-240V
Mounting Height	≥6" (15cm) Above Canopy
Thermal Management	Passive
Lifetime	50,000hrs
Power Factor	>90%
Colour Rendering Index	80ra
Ambient Temperature	-25~40°C
Dimensions	1105x1057x54 mm(43.5x42x2.1 inch)
μmol	2,7 Full spectrum



The Lux-Le(t)D start series features a perfect blend of both full-spectrum white LED diodes and red LED diodes. This results in the perfect spectrum for all phases of growth. The mix of white and red LEDs result in a relatively high ratio of bluish light. Blue light keeps your crop tight and compact in the vegetative stage and adds to optimal morphogenesis and light uptake by the plant.

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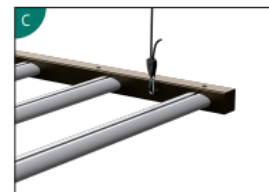
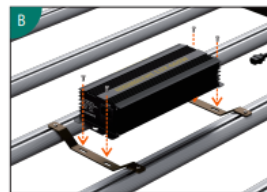
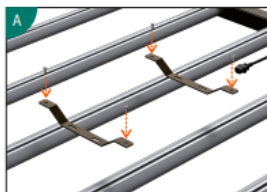
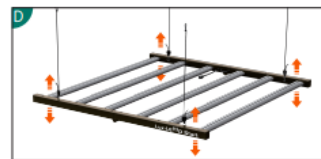
5 Product Installation

Preparation for installation

- 1 Refer to your light plan. Arrange the place for the fixture to be mounted. Prepare appropriate "hangers" or any other tools to hang the fixture.
- 2 Take caution when handling light bars. Ensure the Lux-Le(t)D start array does not come in contact with sharp objects or force that may damage the diodes. Unbox and unfold the fixture, then place it on flat, stable surface.
- 3 Bring any additional tools and/or hardware that may be required to mount the fixture.
- 4 Switch off the main voltage.

Fixture installation

- 1 Fasten mounting bracket on Lux-Le(t)D start light strip by 4 screws. (A)
- 2 Fasten Power Supply (not included in the package) on mounting bracket by 4 screws. Only connect to 660W Digital Ballast (Never connect directly to mains input). (B)
- 3 The Lux-Le(t)D start fixture comes equipped 8 with hanging points. Use Rope Ratchet to pass through the hanging point of the Lux-Le(t) D start fixture, and then fix the other end of Rope Ratchet on the ceiling of the greenhouse. (C)
- 4 Distribute the fixture weight evenly so fixture hangs level. Upwards and downwards according to your crop height. (D)
- 5 Firstly connect the fixture with a power cable. Only then plug the power cable into the electrical socket, and you are ready to go.



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6 Maintenance

In the event that the product is defective or damaged, contact the re-seller from whom you purchased the fixture.

⚠ WARNING

- 1 Do not clean the Lux-Le^(t)D start fixture with detergents, abrasives, and/or any other aggressive substances, such as solvents, acetone, alcohol, alkaline cleaners, windows cleaners, and similar.
- 2 Regularly check the power cables of the fixture to ensure it is undamaged and safe to use.
- 3 Check the product regularly for the build-up of dust and dirt. Clean the product if necessary.
- 4 To limit degradation, avoid touching the diodes with your hands, even in a powered-off state.

⚠ CAUTION

- 1 Always switch off the main voltage before commencing installation and/or maintenance work.
- 2 High voltage: risk of fire & risk of shock.
- 3 Do not connect or disconnect the Lux-Le^(t)D start fixture under load.
- 4 Don't touch. Fixture reaches high temps while in use. Always wait 20 - 30 minutes for the fixture to cool down.
- 5 Never open or disassemble the product. It will void the warranty and will break the water-tight seal.
- 6 The fixture and power supply are UL 8800 rated but are not designed to be submerged in water.



CLEANING INSTRUCTIONS:

When cleaning, make sure you have unplugged the Lux-Le^(t)D start fixture and allow it to cool to room temperature. Do not open the retaining clips when cleaning. The Lux-Le^(t)D start fixture can be cleaned with a feather duster or a soft damp cloth. You should plug in the lighting fixture after it has been completely dried.