



11 | 600W LED Fixture storage and disposal

- Store the fixture in a dry and clean environment, with an ambient temperature of $-4 \sim 185^{\circ}\text{F}$ / $-20 \sim 85^{\circ}\text{C}$.
- The product must only be discarded according to your municipal waste collection laws.

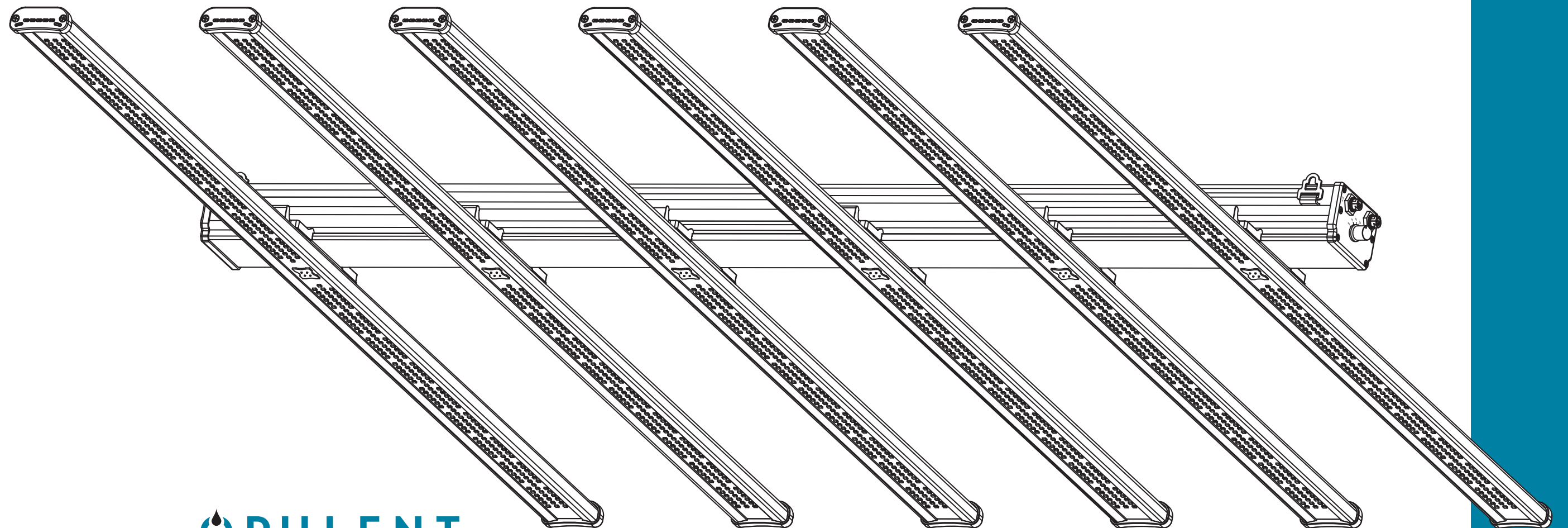
12 | Warranty

Opulent Systems warrants the mechanical and electronic components of this product to be free of defects in material and workmanship if used under normal operating conditions for a period of five (5) years from the original date of purchase. If the product shows any defects within this period and that defect is not due to user error or improper use Opulent Systems will either replace or repair the product using suitable new or reconditioned products or parts.

HORTICULTURAL LIGHTING SYSTEM

600W

LED FIXTURE



 **PULENT**
SYSTEMS

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THANK YOU

Thank you for purchasing the Opulent Systems 600W LED Fixture. This manual describes the mounting and installing of the product. Mounting and installing of the fixture should only be executed by experienced service personnel who are knowledgeable with this product. Please read and understand this manual completely before using the product. Only use the product as specified in this manual.



Legal

This device complies with Part 18 of the FCC Rules, designated as Class B.

CSA approved according to: 243901.



1 | Used symbols

Warning! A warning indicates severe damage to the user and/or product may occur when a procedure is not carried out as described.

Caution! Indicates problems may occur if a procedure is not carried out as described. It may also serve as a reminder to the user.

Note: A note gives additional information, e.g. for a procedure.

2 | Product description and replacement parts

The Opulent Systems 600W LED FIXTURE is an electronic horticultural fixture with intent for indoor use. 120-277V power input drives 6 LED rails with a total of 2052 LEDs.

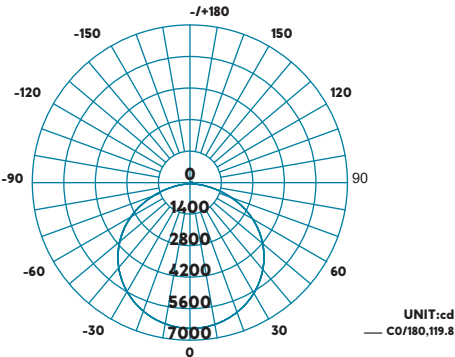
Replacement part name	Opulent Systems part number
Fixture to fixture signal cable	HULSC01
Controller to fixture signal cable	HULSC02

3 | Technical specifications and general information

Opulent Systems 600W LED Fixture

Physical dimensions	44" L x 22" W x 2.8"H
Assembled weight	30.2 lbs
Input voltage +/-10%	120V 208V 240V 277V
Wattage	600W
Current	6.0A max
Frequency	50/60Hz
Power factor	≥0.95
Light efficiency	2.3 µmol/J
Light Source	Osram and Lumileds LED chips

Full spectrum light distribution curve



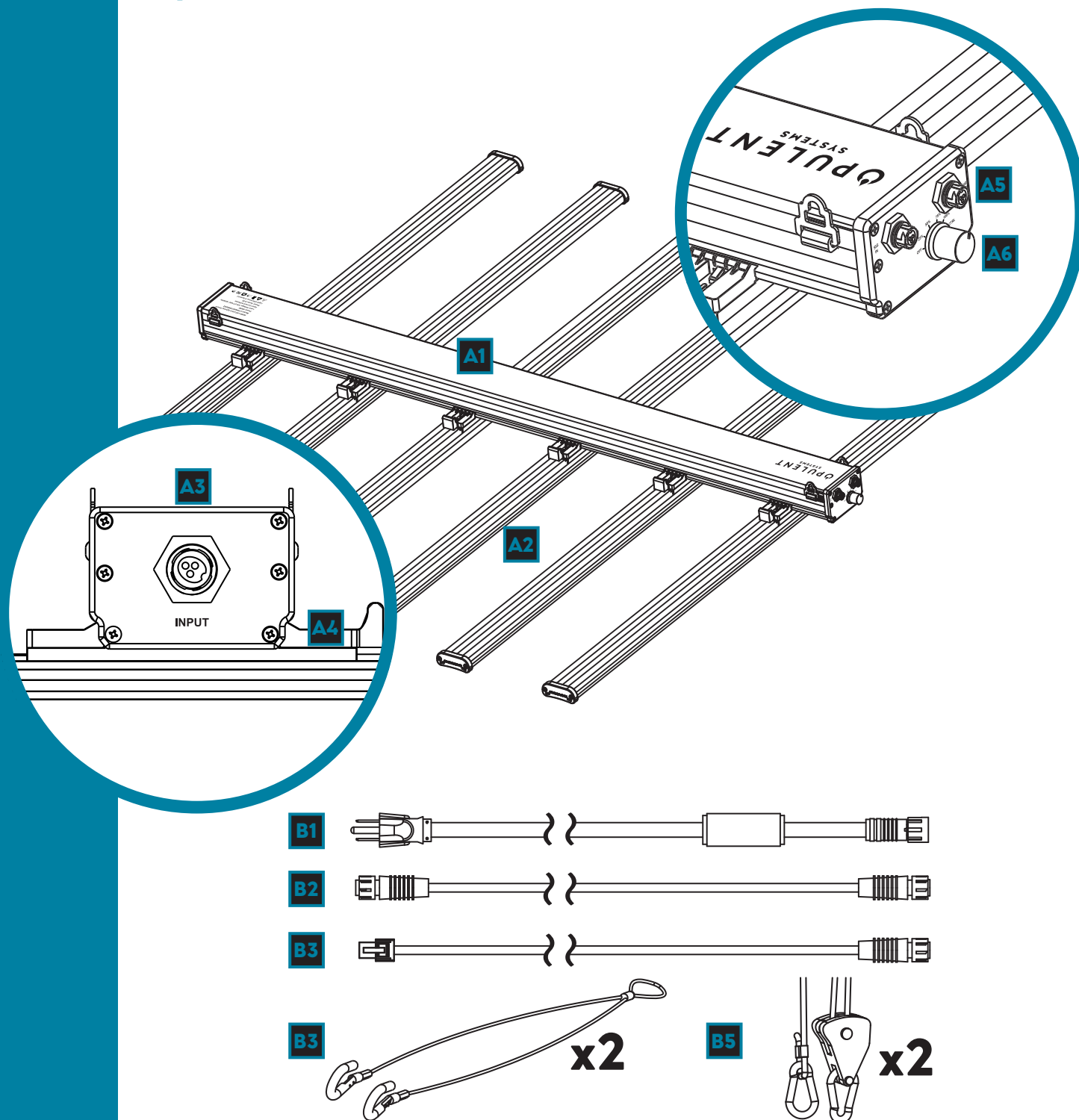
4 | Safety recommendations and warnings

Warning! Carefully read the warnings below before using or working with the product!

- Always adhere to the local rules and regulations when installing or using the fixture.
- Do not open or disassemble the fixture, it contains no serviceable parts inside. Opening the fixture can be dangerous and will void the warranty.
- Do not use the fixture if fixture is damaged. Replace the power cord only with original or OEM certified cords.
- Always disconnect the fixture from mains before performing any maintenance.
- Do not expose the fixture to condensing humidity, direct spray or temperatures outside the specified range;
- The installation and use of the fixture is the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the fixture. Damage to the fixture and electronic circuitry as a result of incorrect installation and use revokes the warranty.



5 | Parts, connections and controls



A

1. Power distribution bar
2. Full spectrum LED light strips
3. Power in
4. LED strip to power bar latch
5. Signal pass connections
6. Wattage dimmer / controller select

B

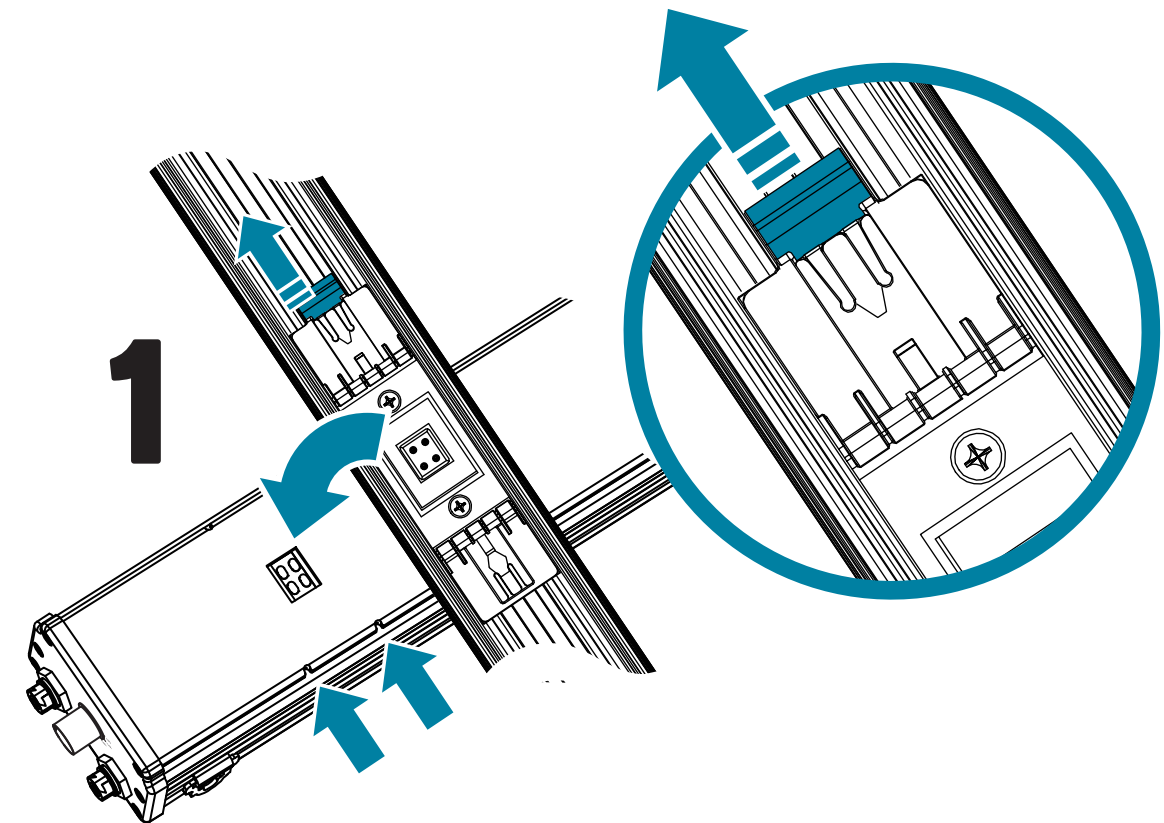
1. Power cord
2. Fixture to fixture signal cable
3. Controller to fixture cable
4. Hook to fixture hanger
5. Adjustable hanging cable

6 | Assembly

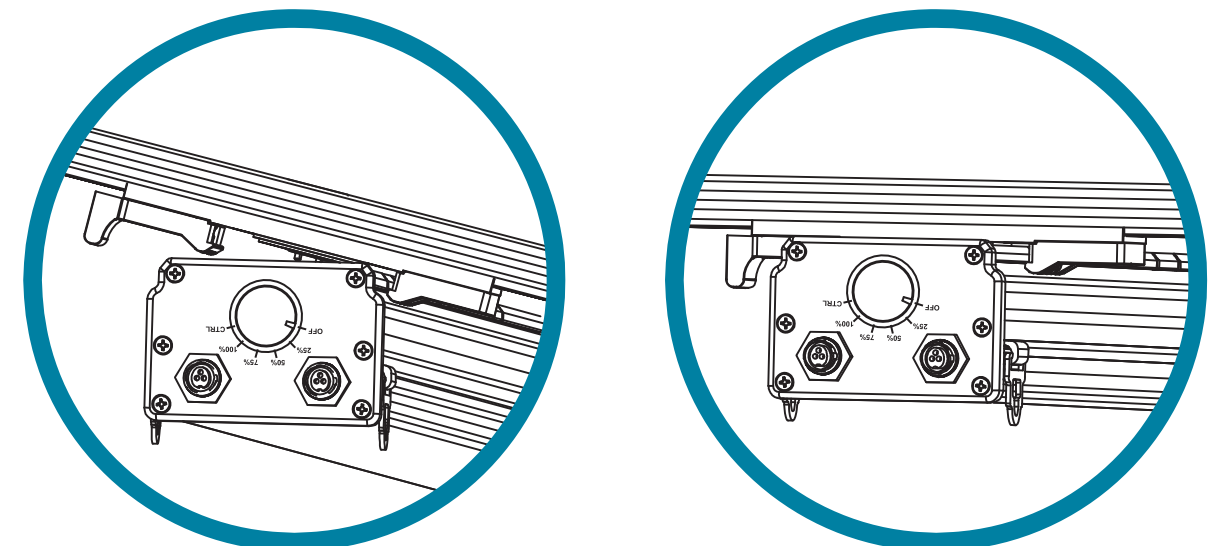
The Opulent Systems has been designed with toolless easy assembly in mind.

1. The LED strip is shown flipped over for illustrative purposes to show aligning the power pins on the LED strip to the matching receptical on the main power bar chassis.

2. The two latching hooks on the LED strip are designed to clamp in place with the grooves on the main bar. In order to connect to two pieces, align the stationary latch in the bar-groove first using the guide holes on the sides. Pull the sliding latch back and press the LED strip down. Return the latch to closed position, locking it within the bar-groove on that side.



2



7 | Post hanging power connection

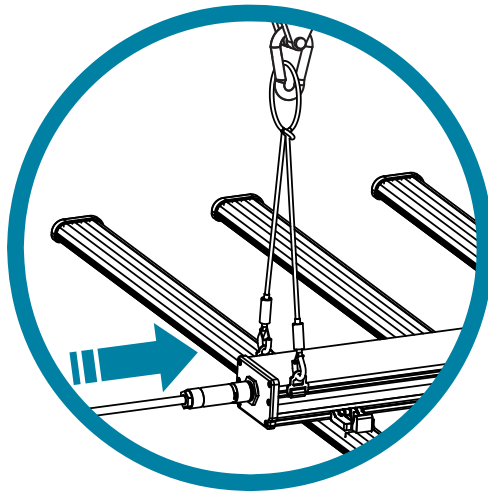
Warning! Installing the 600W LED Fixture may only be executed in accordance with the applicable local laws and regulations.

Warning! The installer is responsible for correct and safe installation.

Warning! Ensure the local cabling can support the voltage and current requirements of the 600W LED Fixture

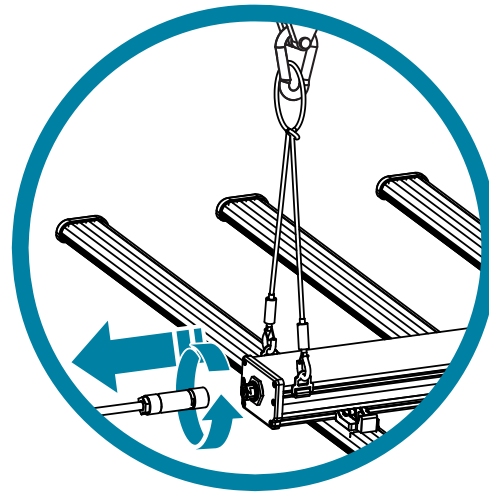
Warning! Avoid coiled cords and keep power lines separated to prevent electromagnetic interference.

Warning! Do not connect or disconnect the power plug under load.



Insertion

Push connector in until click



Removal

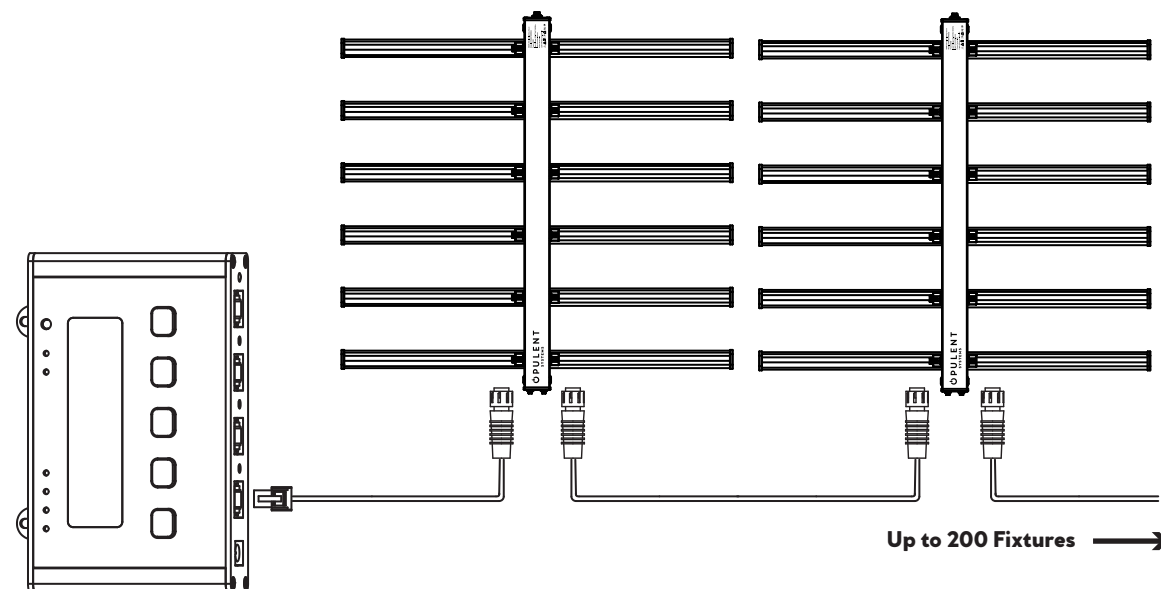
Twist connector-end counter clockwise and pull to release

8 | Connecting multiple fixtures

Utilizing a 0-11.5 V analog controller, up to 200 600W LED Fixture can be controlled with simple daisy chaining units with the provided Signal Pass Controller cables. Refer to controller instructions for proper operation.

Use the provide 3-pin connector cable to chain from the fixture signal output to the signal input of the following fixture unit.

A 3-pin to RJ style connector cable is also provided to aid in connection to your favorite controller unit.



9 | Connecting the 600W LED fixture to power

Warning! Make sure mains power is switched off.

Warning! Ensure the cord is not coiled and does not touch any hot surfaces.

Warning! Connect the cables according to local rules, safety regulations and electrical code.

Warning! Ensure external switching gear can cope with the inrush current of the fixture.

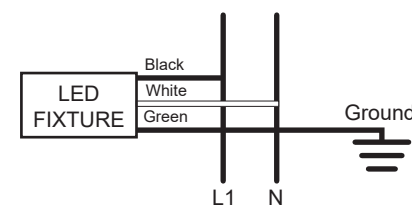
Warning! Never use household timers to switch the fixture!

Warning! Do not connect or disconnect the power plug while fixture is turned on under load.

SINGLE PHASE POWER

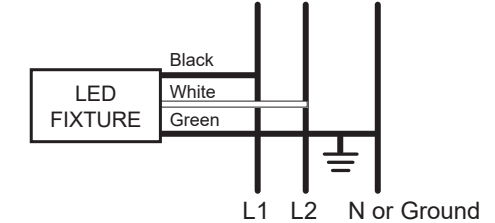
120/208V

(Supply voltage 120/208V)



240V

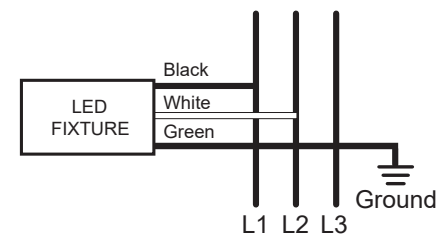
(Supply voltage 120 x 2)



THREE PHASE POWER

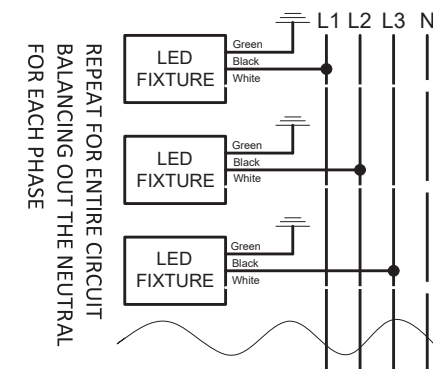
208V

(Supply voltage 208V)



277V

(Supply voltage 480V)



10 | Inspection and maintenance

Warning! Do not connect or disconnect the power plug with fixture powered on under load.

Warning! Do not open or disassemble the fixture, it contains no serviceable parts inside. *Unauthorized opening of the fixture can be dangerous and will void the warranty.*

Caution! Do not clean the fixture with detergents, abrasives or other aggressive substances.

Note: Regularly check the wiring of the product to ensure it is undamaged.