

LED FIXTURE SPECIFICATIONS

Efficacy (PPE)	3.3 µmol/J
Input Voltage	200-277V
Number for light bars	6 bar
LED Quantity	2982 pcs
Mounting Height	≥18" (45cm) Above Canopy
Thermal Management	Passive
Lifetime	50,000hrs
Power Factor	>90%
Colour Rendering Index	90ra
Ambient Temperature	-25~40°C
Certifications	CE, ROHS

LED FIXTURE DIMENSIONS



IGNATOR

HeroLED D720W



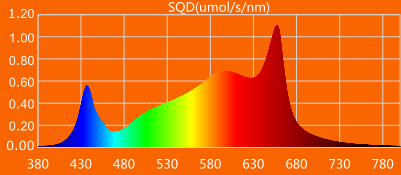
PAR DISTRIBUTION

4x4ft (120x120cm) Coverage
Height of 12" / 30CM PAR Distribution

1344	1374	1393	1413	1416	1400
1437	1478	1501	1511	1512	1507
1491	1530	1552	1569	1568	1558
1509	1555	1579	1591	1592	1577
1498	1543	1569	1581	1582	1571
1451	1495	1515	1527	1526	1506

4x4ft (120x120cm) Coverage
Height of 24" / 60CM PAR Distribution

1018	1048	1063	1069	1068	1061
1057	1081	1100	1110	1108	1096
1062	1096	1116	1126	1124	1111
1053	1090	1111	1122	1123	1108
1027	1065	1080	1089	1087	1075
971	1010	1029	1041	1036	1025



180 DEGREE FOLDABLE DESIGN
Foldable design feature for easy installation



4x4ft (120x120cm) Coverage
Height of 36" / 90CM PAR Distribution

770	786	799	803	802	796
782	803	814	821	820	812
786	806	820	826	823	815
775	797	808	817	816	806
755	773	790	793	789	780
721	747	745	759	760	754

4x4ft (120x120cm) Coverage
Height of 48" / 120CM PAR Distribution

594	605	608	612	613	608
601	612	618	621	620	616
600	612	617	620	620	615
599	608	612	616	617	613
585	597	601	606	606	601
567	577	581	584	586	585



USER MANUAL



Growing Guide
Guía de Cultivo



1 PRODUCT DESCRIPTION

The LED fixture delivers broad, intense light coverage with its passively cooled LED bars allowing you to use it in low rooms, vertical racks, over benches, or even in tents. The LED 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. This LED 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 LED fixture is specially designed and manufactured for horticulture use only. Any use other is considered unintended use.



2 SAFETY RECOMMENDATIONS

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

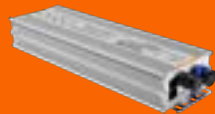
⚠ WARNING

Always adhere to the local building and electrical codes (local rules and regulations) when installing or using the LED fixture.
Do not open or disassemble the LED fixture as it contains no serviceable parts inside. Opening and/or modifying the LED fixture can be dangerous and will void the warranty.
Connect the system only to the power sources of the appropriate voltage using the plug received with the fixture.
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 heatsink and LEDs.
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.
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.
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.
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.
Always disconnect the LED fixture from mains before performing any maintenance.
Do not use the LED fixture near flammable, explosive or reactive substances. Do not use sulfur vaporizers or water misters.

3 PACKAGE INCLUDES



LED Horticultural Fixture



LED Driver



Adjustable Rope Ratchet x2



mounting bracket x2



External RJ12 Network cable

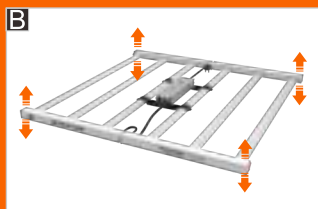
4 PRODUCT INSTALLATION

Preparation for installation

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.
Take caution when handling light bars. Ensure the LED 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.
Bring any additional tools and/or hardware that may be required to mount the fixture. Switch off the main voltage.

Fixture installation

Unfold the fixture.
Insert the installation bracket into the driver.
Put driver on top of central two light bars of the fixture, and inter connect driver's output cable and input cable (A).
Attach aircraft cables onto each mounting anchor and hang fixture with pulley system to the mounting system.(B)



Connecting LED fixtures to external 0-10V controller (not included)

Connect controller (output) using RJ12 cable to fixture connector. Using the second RJ12 cable, connect the current fixture to the next one. This way you can connect up to 80 LED fixtures on one chain. Most of the controllers can support at least 2 chains. The dimming knob on all LED fixtures has to be adjusted to "E.X.T." (external control).

5 MAINTENANCE

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

⚠ WARNING

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

⚠ CAUTION

Always switch off the main voltage before commencing installation and/or maintenance work.
High voltage: risk of fire & risk of shock.
Do not connect or disconnect the LED fixture under load.
Don't touch. Fixture reaches high temps while in use. Always wait 20 - 30 minutes for the fixture to cool down.
Never open or disassemble the product. It will void the warranty and will break the water-tight seal.
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 LED fixture and allow to it cool to room temperature. Do not open the retaining clips when cleaning. The LED 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.