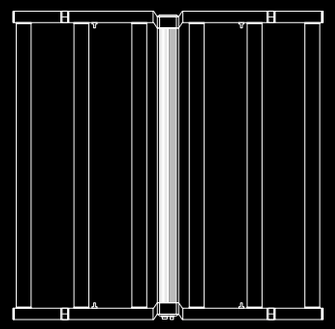
REDLINE SPECTUNE



FLEXSTAR

REDLINE SPECTUNE

User Manual



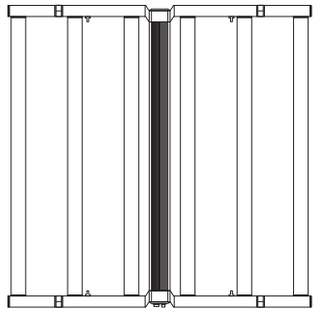
Intertek
4009588

1. Safety information

Warning! Please read the following information carefully before installing and using.

- Always adhere to local rules and regulations when installing or using the LED fixture.
- Do not open or disassemble the LED fixture, it contains no serviceable parts inside.
- Opening or modifying the LED fixture can be dangerous and will void the warranty.
- This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45 - 30 MHz.
- Do not use the LED fixture when either the LED fixture or its power cord are damaged.
- Replace the power cord only with original certified cords.
- Modifications to the cords can lead to unwanted electromagnetic interference and effects and will void the warranty and nullify any compliance with legal regulations.
- Do not expose the LED fixture to:
  - (Ambient) temperatures outside the specified range;
  - Direct sunlight during use or HID light that could heat up the power supply enclosure.
- Always disconnect the LED fixture from mains before performing any maintenance.
- Always allow for a cool down period of at least 30 minutes before touching the LED fixture.
- Touching the LED fixture when it is lit or immediately afterwards will result in severe burns!
- Do not use the LED fixture near flammable, explosive or reactive substances. The LED fixture reaches temperatures of> 104°F / 40°C.
- The installation and the use of this LED fixture are the responsibility of the end user.
- Incorrect use or installation can lead to malfunction and failure of the LED device. Any damage to the LED fixture and electronic security as a result of incorrect installation and use revokes the warranty.
- This product must be earthed.

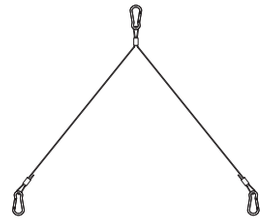
2. Product contents



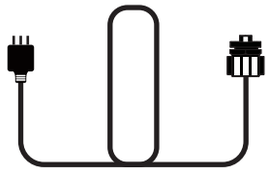
A LED light fixture (1 pc)



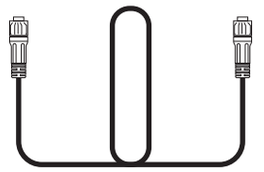
B Solid Decking Mounts (4 pcs)



C Lance Hangers (2 pcs)



D Input Power Cord (1 pc)



E A4 cable (1 pc)

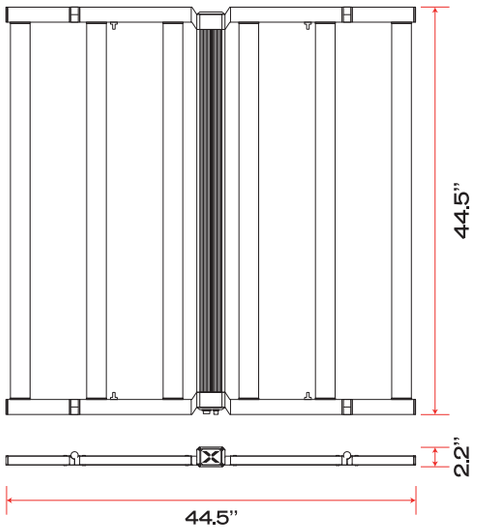
3. Technical specifications

Model	Input Power	Main Power	FR Power	UV Power	Current 120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
Redline 760W SpecTune	**760W**	**645W**	**75W**	**40W**	**6.33A**	**3.65A**	**3.17A**	**2.74A**	**---**	**---**
Redline 1000W SpecTune	**1000W**	**840W**	**105W**	**55W**	**8.33A**	**4.81A**	**4.17A**	**3.61A**	**---**	**---**
Redline 1200W SpecTune XL	**1200W**	**1000W**	**140W**	**60W**	**10.00A**	**5.77A**	**5.00A**	**4.33A**	**---**	**---**
Redline 760W SpecTune HV	**760W**	**645W**	**75W**	**40W**	**---**	**---**	**---**	**2.74A**	**2.19A**	**1.58A**
Redline 1000W SpecTune HV	**1000W**	**840W**	**105W**	**55W**	**---**	**---**	**---**	**3.61A**	**2.88A**	**2.08A**

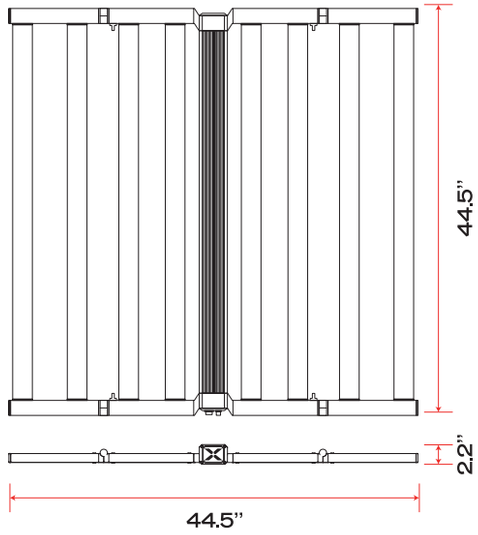
Product name	**Redline Spectune**	Thermal Management	**Passive**
Ambient temp	**-20-40°C**	Certifications	**ETL/DLC/CE/TISI**
Power factor	**>0.95**	Warranty	**5 years**
Environment rating	**IP66**	Dimming	**RS485**

4. Dimension drawing

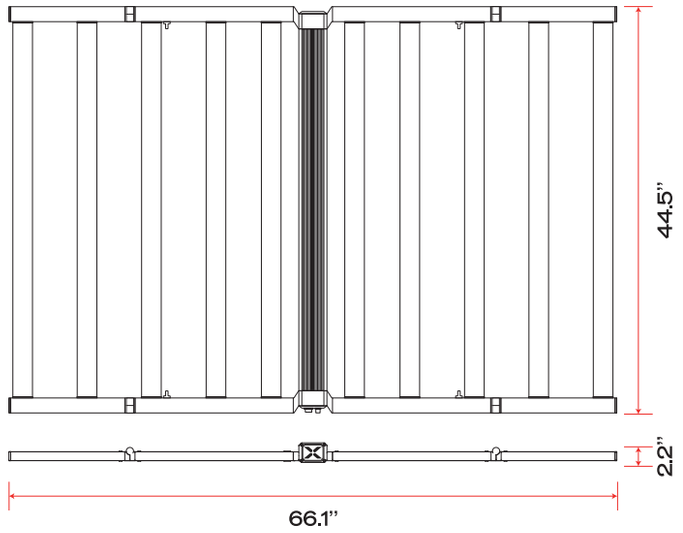
Redline 760W SpecTune 44.5"L × 44.5"W × 2.2"H 112.8 × 112.8 × 5.5 cm



Redline 1000W SpecTune 44.5"L × 44.5"W × 2.2"H 112.8 × 112.8 × 5.5 cm



Redline 1200W SpecTune 44.5"L × 66.1"W × 2.2"H 112.8 × 167.8 × 5.5 cm



5. Installation

Please read the following information before installation. Installation of this horticulture LED grow light shall be performed by qualified persons with experience. It is suggested that two people install this fixture.

To mount this light fixture properly, start by identifying an appropriate support structure to mount the fixture to. Ensure that the structure is capable of holding the weight of the light fixture and will be stable during the installation process and during operation. Be careful while unboxing, moving, and installing this light.

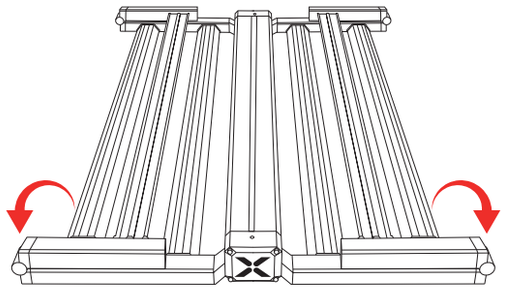
There are 3 options for mounting this light fixture, each method is suitable for different styles of growing
Solid Decking Mounting: For vertical/multiple-layer growers;
Mounting With Hangers: For single-layer growers;
Unistrut Mounting: For single-layer growers.

6" or more of distance to the plant canopy is suggested for the mounting height.

5.1 Unfolding the light fixture

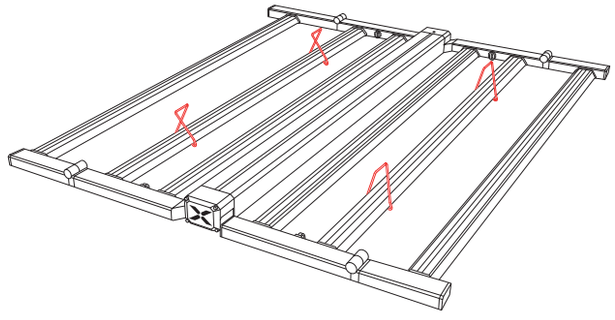
Remove the Light Fixture (A) from the box and place it on a clean, soft surface to avoid damaging the diodes.

Lift up the folding parts on both side of the light fixture and rotate 180° to unfold completely.



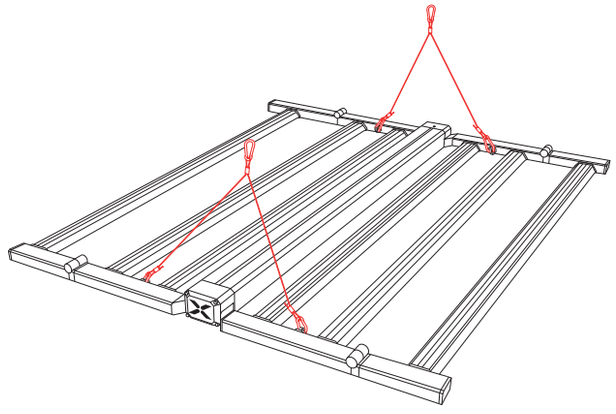
5.2 Solid decking mounting

- Loop the Solid Decking Mounts (B) on the crossbar above the LED light bars second from the center. Use two decking mounts on either end.
- Lift the Light Fixture (A) up and mount on the decking mounts by hooking the two light bars second to the center. Becareful not to damage the diodes when mounting.
- Adjust the position of the Light Fixture (A) by carefully sliding the Decking Mounts (B) onto the crossbar. Ensure that the Decking Mounts (B) are firmly attached after adjustments.



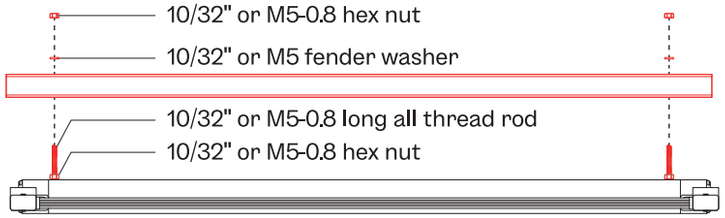
5.3 Mounting with hangers

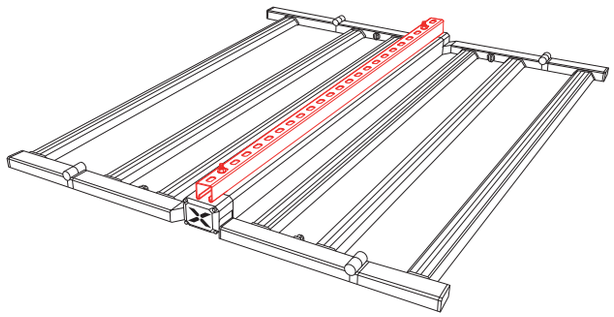
- Allow an additional 25” from the top of the Light Fixture (A) for the length of hanger.
- Slide the clips of each Lance Hanger (C) onto the bolts on each side of the Light Fixture (A).
- Hang the Light Fixture (A) from the center of the Lance Hanger (C).



5.4 Unistrut mounting

- Fasten the lamp securely using M5-0.8 length screws and secure it further with nuts of the same size.
- Insert the screw through the keel hole and place an M5 gasket at the back of the hole.
- Tighten the M5-0.8 nut firmly. Alternatively, you can also utilize 10/32" screws and nuts instead.

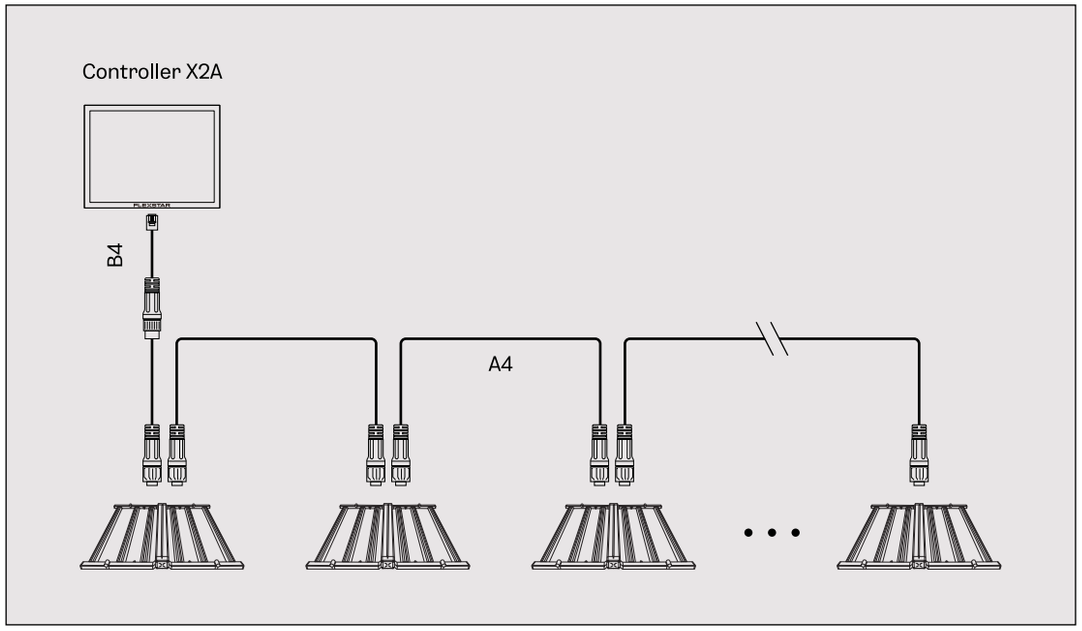




5.5 Connecting multiple lights

You can connect up to **200 pcs** of the Flexstar grow lights by daisy-chaining and all 200 pcs can be controlled by a Flexstar Controller X2A (sold separately).

- Connect the A4 Cable and B4 and use these two cables to connect the first light to the controller X2A. The B4 is connected to the controller X2A, and the other end of A4 Cable is connected to the first light.
- Connect the second light to the first light with A4 Cable into the A4 port on each light.
- Repeat this process to connect up to **100** lights for one port of the controller.
- Repeat the same process to connect up to another **100** lights on the other port of the controller.



5.6 Connect the led fixture(s) to the mains

- Choose an appropriate power cord for the mains based on the voltage, current and the number of the lights.
- Ensure the input power is off before connecting.
- Connect the Input Power Cord (D) to the light.
- Plug the Input Power Cord into the AC outlet of the Mains according to the local rules, safety regulations and electrical codes.
- Ensure the power cords is not coild or touching any hot surfaces.
- Ensure the inrush current of the light is in the tolerance of the externel switch. DO NOT use household timers on this light.
- When the connection is finished, turn on the mains power and check each light.

6. Other information

6.1 Maintenance

- Turn off the power and allow the light to cool down before starting to clean.
- Check the LED light regularly for dust or dirt buildup. Clean with a damp soft cloth if needed. Contamination may cause overheating and decreasing of the performance. Be careful not to touch or clean the LED diodes.
- DO NOT use any chemical detergents to clean.
- Be careful with the sharp edge of the light fixture.
- DO NOT spray the water on the light fixture or use water mist to clean.
- Check the connection of lights after every maintenance.

6.1 Storage and disposal

- Store this product in a dry and clean environment with an ambient temperature of 4~185°F/ -20~85°C.
- DO NOT dispose this product as a standard waste. It is to be collected or brought to a recycling center for proper disposal and environmental treatment.

7. Warranty

The company warrants the mechanical and electronic components of this product and guarantees the materials and workmanship free of defects if used under normal operating conditions, for a period of five (5) years from the original date of the purchase.

If you find that there are any defects with this product that relate to either the workmanship or the materials but are not due to improper use or user error, the company shall, at its discretion, either replace or repair the product using the appropriate new or reconditioned parts. In the case that the company decides to replace the entire product , the date of the limited warranty shall apply to the replacement from the date of the purchase of the initial product for five (5) years.