SIMU LIGHT

LED GROW LIGHTS BY LIGHT EFFICIENT DESIGN

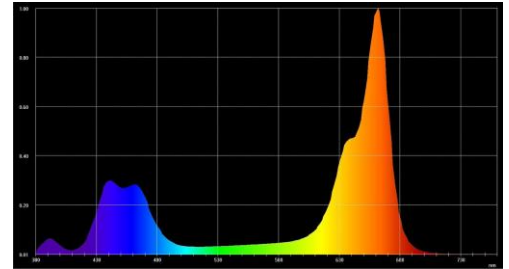**Light Efficient Design**
a division of TADD, LLC

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150 watt unit pictured.

Spectrum Chart

Description:

The LED-9640G series grow light fixture is UL and cUL listed for wet locations and meets the ingress protection requirements of IP65. It is designed to function under high heat and humidity conditions typical in a commercial greenhouse environment. To ensure long-term durability, heavy duty aluminum extrusions dissipate the heat without using fans. The linear design improves light distribution and allows the lights to be installed in a manner that minimizes shading in greenhouse applications.

The fixture allows the led bars to be rotated to adjust the beam position. Three beam angles will be available, including a 60° narrow, 90°standard, and 120° wide angle. This will allow the light distribution to be optimized for the application. For added versatility and efficiency, it features a 0-10V dimmable driver.

This light fixture will be available in 150 watt and 600 watt configurations. The standard input voltage for the fixture will be 120-277 VAC.

Light Spectrum:

The light comes with a growth spectrum that was developed for use in the vegetative growth through flowering stages. The spectrum includes UVA, blue, red, and white LEDs. The standard wavelengths included are 390 nm, 430 nm, 460 nm, 630 nm, 660 nm, and full spectrum white. This ensures that the light will provide the proper spectrum and energy that the plants will require for healthy growth.

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600 watt unit pictured.

Technical Specifications:

Please see the following table for the general specifications for the Commercial Grow Light.
Please contact SimuLight if you have questions or would like to discuss specific applications.

Technical Specifications		
	LED-9640G-A1-150S	**LED-9640G-A1-600S**
Type	**Fixture**	
Certifications	**UL and cUL Listed. File # E358682 Wet Location. IP 65**	
Mounting	**Bracket**	
Shell Material	**Aluminum / Glass**	
Input Voltage	**Automatically Selected 120-277 VAC**	
Power Consumption	**150 watts**	**600 watts**
Power Factor	**> 0.95**	**> 0.95**
PAR Output (Center)	**90° beam angle**	**90° beam angle**
12 inches	**366 µmol/m²/s**	**728 µmol/m²/s**
24 inches	**172 µmol/m²/s**	**521 µmol/m²/S**
36 inches	**95 µmol/m²/s**	**301 µmol/m²/s**
LED Colors	**Standard: 390nm, 430nm, 460nm, 630nm, 660nm**	
Dimmable	**Yes, 0-10 volt**	
Beam Angle	**60° 90° or 120°**	
Rated LED Life	**50,000 hours**	
Dimensions		
L x W x H	**40 x 10 x 5 inches**	**40 x 40 x 5 inches**
Weight	**15 lbs**	**57 lbs**
Mercury/Lead content	**None**	
Warranty	**5 year limited**	

Notes:
- All specification information falls within a +/- 5% range and is subject to change without notice.
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