



# LUSH

L I G H T I N G

## TECHNICAL DATA SHEET

High Efficiency LED Agricultural Lights

# LUMENATOR

Amazing grow light with huge yields for beginners starting with a limited budget.

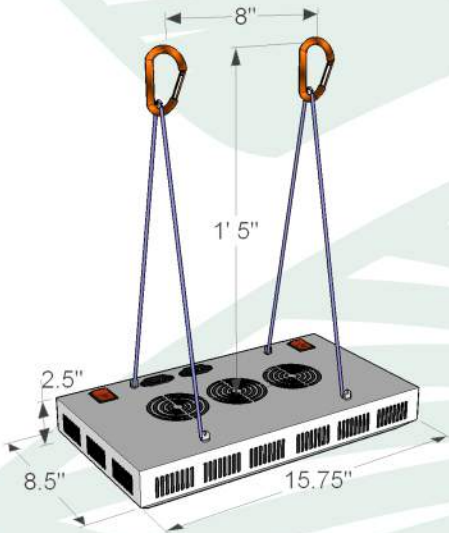


## TECHNICAL DATA

Dimensions: Width 8 ½"  
Length 15 ¾"  
Height 2 ½"

LED qty: 90  
LED angle: 60° & 90°  
Spectrum: UV to IR  
Power: 50/60 Hz  
190 watts  
1.5/0.8 amps  
120/240 volts

Weight: 7.2 lbs  
Requires a 5" minimum clearance on all sides



## FEATURES

- Easy plug and play installation.
- Lifetime expectancy up to 50,000 hours.
- Powerful 190w LED grow light to replace top of the line 600w HPS grow light.
- 60° & 90° lenses direct light downward, eliminating the need for extra reflecting materials.
- Low heat emissions eliminate the need for excessive cooling and ventilation cost.
- Low radiant and ambient temperatures reduce de-humidification costs.
- Eco-friendly: Mercury free.
- Safe: Reduces risk of fire.
- Slender design allows for more growing area.
- Internal cooling fans and large aluminum heat sink plate keeps units below 100°F.
- Mounting hardware included.
- Tempered steel construction, built to last.
- 90 day money back guarantee.
- 3 Year manufacturer's warranty.

## DESCRIPTION

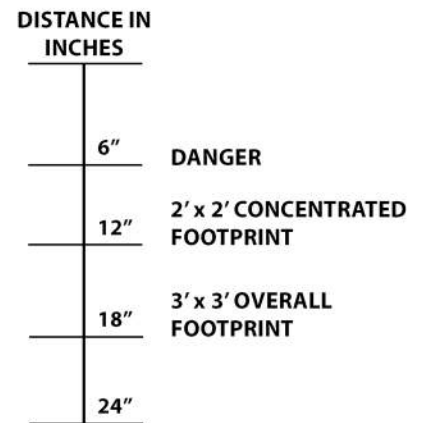
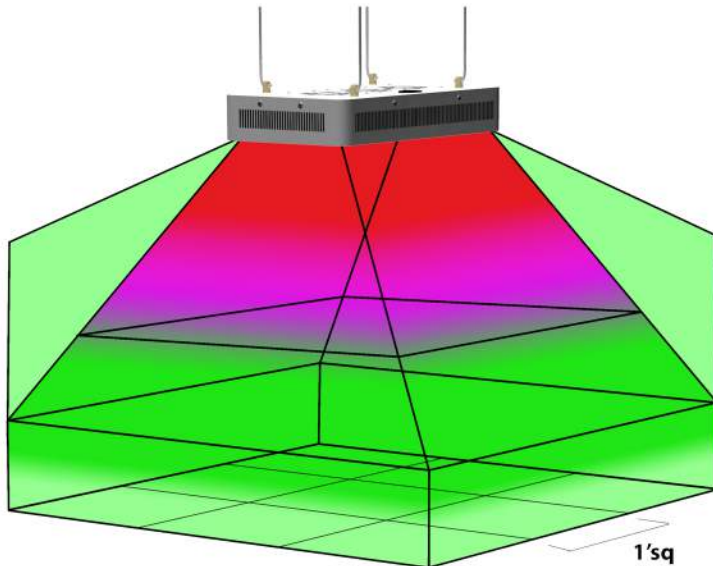
From cloning through growing and all the way to the end of flowering, this light has what your plants need! Our Lumenator will grow higher quality plants compared to HPS, MH and any other universal grow light on the market. Increase your yield while decreasing your cost. Choosing Lush Lighting products is like writing a check to yourself. Get an immediate pay increase with a larger crop! We guarantee it! Lumenator is perfect for smaller locations. Use this light to cover 3 foot by 3 foot areas. Lush Lighting has discovered how to harness the power of the sun so indoor plants can grow naturally! Lush LED's will increase your plant's ability to perform photosynthesis! This unique spectrum will reward you with healthier plants that grow faster. Reduce nutrients to natural levels and allow the plant to split more water molecules for energy. Lush Lighting is Jet Fuel for Your Plants!

## APPLICATION NOTES

- Designed specifically to fuel the entire photosynthesis process.
- Max coverage over 3' x 3' area.
- Intense coverage over 2' x 2' area.
- Optimal coverage over 3' x 2' area.
- Dry locations only.
- Soil, Aero or Hydroponic gardens.
- Operating open-air ambient temperature range for rated life is 65°F to 90°F.
- Humidity range for rated life is between 10% and 60%.
- Horizontal and Vertical gardens.
- Grows tents and large green houses.
- Difficult areas like corners and closets.

DISTANCE	LUMENS	Par $\mu$ mole
6"	80,000	1,600
12"	30,000	600
18"	16,000	300
24"	10,000	190
30"	7,000	130

LUMENS	PARS
80,000	1,800
50,000	900
27,000	480
17,000	280



<span style="color: red;">●</span> GREATER THEN DIRECT SUNLIGHT	<span style="color: green;">●</span> INDIRECT SUNLIGHT
<span style="color: purple;">●</span> DIRECT SUNLIGHT	<span style="color: lightgreen;">●</span> SUPPLEMENTAL LIGHT