

## Frequently asked questions

### ARE LUXX BULBS COMPATIBLE WITH OTHER MANUFACTURERS' FIXTURES?

Yes, our bulbs are compatible with most DE lighting fixtures.

### HOW OFTEN SHOULD I CHANGE MY BULBS?

For maximum output and performance, we recommend changing bulbs every 3 cycles. Minimum 6 months to a maximum of 9 months.

### HOW SHOULD I PROPERLY HANDLE THE BULBS WHEN REPLACING?

Handle bulbs as little as possible. If you do, use a clean microfiber cloth to ensure that you do not leave residue on the bulb glass. Wipe off any moisture, oil or dust before firing. The wire end connectors must be inserted in the sockets correctly and locked in place.

### WHICH BULB SHOULD I USE FOR VEG?

We recommend the DE Metal Halide (MH) or Ceramic Metal Halide (CMH) 4200k Spectrum. Both bulbs emit optimal blue light wavelengths to get your plants off to a healthy start.

### WHICH BULB SHOULD I USE FOR FLOWER?

We recommend the DE High Pressure Sodium (HPS) or Ceramic Metal Halide (CMH) 3100k Spectrum. Both bulbs have optimal reds and infrared light wavelengths to supercharge the later stages of the plant cycle, giving your flowers an extra boost resulting in density and resin production.

### WHAT IS THE WARRANTY ON LUXX LIGHTING BULBS?

Luxx Lighting offers a 1 year warranty from the date of purchase on all bulbs that fail due to manufacturer defect.

### HOW DO YOU REPLACE A BULB?

When replacing your DE bulbs, you must ensure the lamp is placed with the igniter positioned toward the ballast, and the lead wires seated correctly with the VS sockets clipped in securely. You must ensure the socket is fully engaged. If the bulb is NOT secured in the socket, it may cause the lamp to arc and melt the VS sockets causing damage to the unit.

### HOW DO YOU GET OPTIMAL PERFORMANCE FROM THE DE HPS BULB?

For optimal performance, we recommend that you run your DE 1000w HPS bulb for a minimum of 100 hours at 1000w before using them at a higher or lower wattage. This will ensure the arc tube is stable and can be dimmed without damaging the bulb. This process will also ensure the longevity of the lamp and its performance.

## CUT OUT THE MIDDLE MAN

## Brighter bulbs, better prices



## Brighter bulbs, better value for money

The Luxx team has been cultivating cannabis indoors for over 20 years. As growers we understand the need to extract the most production out of our lighting--after all, lighting equipment requires a substantial capital investment.

Even the best fixture is only as good as the bulb it fires. As bulbs burn, they lose intensity. Huge yields are lost without proper bulb maintenance. Bulbs can be expensive to replace, so many growers wait until the bulb has lost 5, 10 or even 15% of its output. Save a penny, lose a dollar!

### Q HOW OFTEN SHOULD YOU CHANGE YOUR BULB TO BALANCE THE ADDED COST AND LOST PRODUCTION?

A Reduce your cost of bulb replacement and you can always be burning at the highest output. Typically, a brand buys volume bulbs from an overseas manufacturer, then adds a 50% margin and resells to a distributor who adds another 40% to the retailer. The retailer needs to make a profit and usually adds 20-40% margin on top. These stacked margins make bulbs too expensive to replace as often as a grower should.

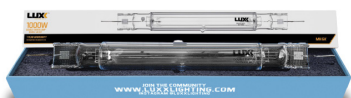
**Luxx Lighting cuts out the middle-man.** We buy volume bulbs from the manufacturer and pass on the savings to retailers and growers. Our supply chain efficiency equals your operational efficiency. Luxx makes bulb maintenance a more cost-effective solution for maintaining and increasing yields.

For retailers, this means you can support more regular and cost-effective repeat sale to the grower! Stop lining the pockets of your distributor. Start getting more sales and help your customers generate better yields and higher quality cannabis.

#### 1000W HSP PRO



#### 1000W METAL HALIDE



#### 315 CMH (3100K-4200K)



PRICE COMPARISON	QTY 100	% DIFF
LUXX DE PRO HSP	\$85.00	—
USHIO OPTI RED	\$124.95	+47%
USHIO OPTI PRO PLUS	\$124.95	+47%
HORTILUX DE	\$149.95	+76%
PHILLIPS GREEN POWER	\$149.99	+76%
GAVITA PRO/ AUVL	\$134.95	+59%
ULTRA SUN DE	\$105.95	+25%

PERFORMANCE COMPARISON	PAR VALUE - PAR ( μMOL/S)	LUXX % ↑ PPF OVER COMPETITORS
LUXX 1000W PRO DE NEW!	2124	—
PHILIPS MASTER GREEN POWER	2120	-0.18%
USHIO HILUX GRO 1000W DE	2113	-0.53%
AUVL DE BULB 1000W	2108	-0.76%
LUXX (1ST GENERATION)	2082	-2.01%
GROWERS CHOICE 1000W DE	2054	-3.40%
EYE HORTILUX 1000W DE	2038	-4.21%
SOLISTEK 1000W DE	2021	-5.06%

## Independent 3rd party testing results

#### LAMP NO.

Luxx DE 1000W Ballast + Luxx PRO 1

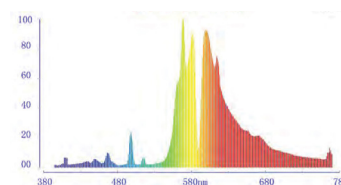
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#### ELECTRIC PARAMETERS

- Voltage: 0V= 233.7 (V)
- Current: 0C= 4.338 (A)
- Wattage: P= 1008. (W)
- Power Factor: PF= .99

#### SPECTRAL DISTRIBUTIONS (PAR:2124.22 μMOL/S)



#### SPECTORADIOMETRIC PARAMETERS

- Luminous Flux :  $\Phi = 159091.6$  (lm)
- Correlated Color Temperature = 2039 (K)
- Chromaticity Coordinate: x = .5293 y = .4235  
u = .3015 v = .3618
- Rending Index : Ra= 37.3
- CIE excitation purity: Pe= .85 Dominant wavelength= 588 (nm)
- Peak wavelength:  $\lambda_p=569$ (nm)  $\lambda_{phl}=558.6$ (nm)  
 $\lambda_{phr}=585.8$ (nm)
- Luminous Efficiency:  $\Phi/W= 157.8$  (lm/W)
- Rending Index : RI-RI4: 29 66 76 10 22 49  
55 -10 -118 38 -22 16 30 85
- Red Color Ratio: R = .24

RD F2700 Color  
Difference = 43. DCM  
Color Difference  
ellipse(6SDCM):

