

Surpasses ALL  
LED Manufacturers

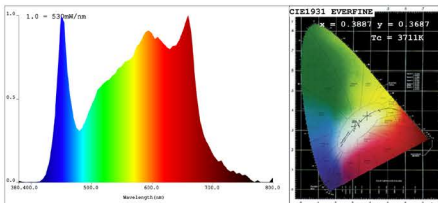


# INFINITY 300

Infinity 300 is designed for commercial horticulture. Using the highest quality diodes on the market along with the #1 driver on the market, the Infinity 300 out competes any other LED manufacturers.



## LIGHT SOURCE TEST



**CIE Color Parameters:**  
 Chromaticity Coordinate:  $x=0.3687$   $y=0.3687/u=0.2339$   $v=0.3328$   
 CCT:  $T_c = 3711K$   $F_{cp}$  Wavel:  $\phi=583.7nm$  Purity=27.3%  
 Peak Wavel:  $\lambda_p=650nm$  Half Width:  $\phi=23.6nm$  Ratio:  $R=20.7\%$   $G=75.3\%$   $B=4.0\%$   
 Average Wavel:  $583nm$   
 Rendering Index:  $Ra=93.7$   
 R1 =94 R2 =97 R3 =97 R4 =93 R5 =94 R6 =93 R7 =94 R8 =88  
 R9 =73 R10=92 R11=93 R12=77 R13=95 R14=98 R15=94

**Photo Parameters:**  
 Flux:  $\Phi=5933.7(lm)$  Luminous efficacy:  $62.24(lm/W)$  Luminous Power:  $P=96.04(W)$

**Electrical Parameters:**  
 U=233.4V I=0.432A P=95.3W PF=0.946

Instrument Status:  
 Scan Range: 380.0nm-800.0nm Interval: 1.0nm  
 SFR = 4297  $\lambda = -1.3154$   $T_p = 52385$   
 TWD (RNT) = 34.94degrees centigrade

## KEY FEATURES

- 7th Generation Proprietary LED Diodes
- Produces 30% more light than a 630W CMH
- Auto sensing voltage of 120V, 240V, 277V
- Slimlight design for greenhouse applications
- 5 Year Warranty

APPROVED



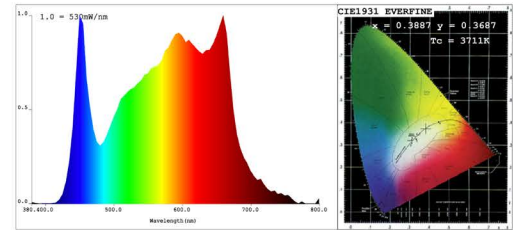
# INFINITY 300



## SPECIFICATIONS

Total PPF	563.87
Input Power	300W
Efficacy	1.8 umol/J
Voltage / Amp	277VAC
Cooling	Passive
Dimming	Not Available
Power Factor	>96%
Max Operation Temp	25°C
Fixture Dimensions	10" x 10.13" x 3.75"
Mounting Height	18" Above Canopy
Cord Length	8 Feet
Warranty	5 Years

## LIGHT SOURCE TEST



**CIE Color Parameters:**  
 Chromaticity Coordinate:  $x=0.3887$   $y=0.3687/u=0.2339$   $v=0.3328$   
 CCT:  $T_c = 3711K$  Prep WaveL:  $\lambda_p = 583.7nm$  Purity: 27.3%  
 Peak WaveL:  $\lambda_p = 660nm$  Half Width:  $\Delta\lambda = 23.6nm$  Ratio:  $R=20.7\%$   $G=75.3\%$   $B=4.0\%$   
 Average Wave: 583nm  
 Rendering Index:  $R_a = 93.7$   
 R1 =94 R2 =97 R3 =97 R4 =93 R5 =94 R6 =93 R7 =94 R8 =88  
 R9 =73 R10=92 R11=93 R12=77 R13=95 R14=98 R15=94

**Photo Parameters:**  
 Flux:  $\Phi = 5933.7 (lm)$  Luminous efficacy: 62.24 (lm/W) Luminous Power:  $P = 96.04 (W)$

**Electrical Parameters:**  
 U=233.4V I=0.432A P=95.3W PF=0.946

Instrument Status: Scan Range: 380.0nm-800.0nm Interval: 5.0nm  
 RFP = 4287 % = -1.315% Ip = 52385 TWP (PM7) = 34.9degrees centigrade

## DIMENSIONS

