

THE

VITA™

SOLTECH



Product Information and
Specifications

2023



VITA™ SERIES

Soltech's quality-first contribution to the world of LED grow bulbs.

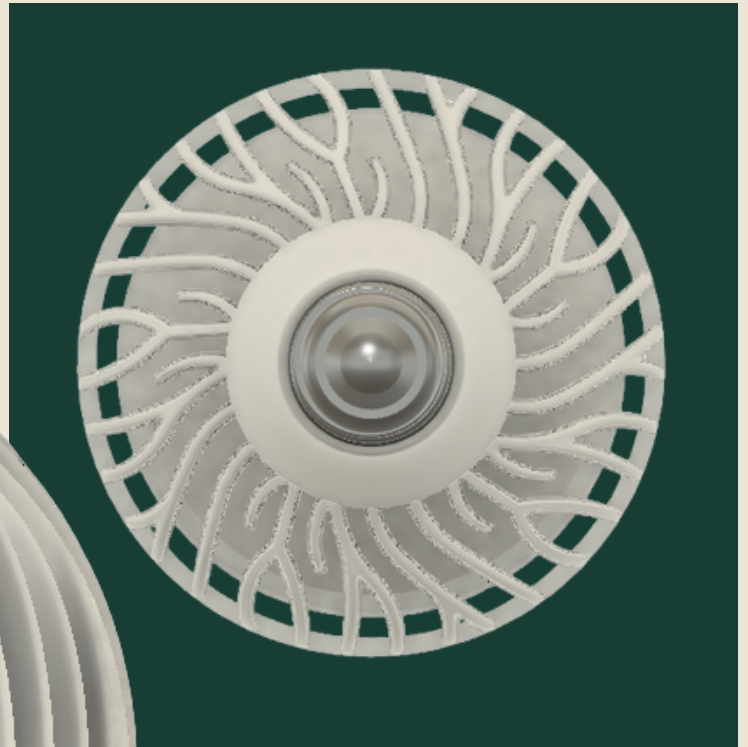
The VITA maintains the Soltech standard of photosynthetic power and ambient lighting while making itself available through its universal screw-in bulb application.

Simply screw the VITA into a compatible fixture to give your plants the light and life they deserve. Happy plants, happy home. It's this easy.

Built For Brilliance

Defined by Style





Specifications

Power - 20 Watts
CRI - 98
Color Temperature - 3000 K
Vita Color - Black / White
Light Color - Warm White
Beam Angles - 36 ° / 60 °
Guarantees - 3 year manufacturer's
warranty

Lumens - 1500 lm
PPF - 26 $\mu\text{mol}/\text{sec}$
Operating Voltage - 220V
Dimensions - 3.75" x 5"
Weight - 1lbs
Base - E26
Bulb Size - PAR30
Lifespan - 30,000 hours

FEATURES



Versatile

The Narrow (36°) Beam Angle is great for plants farther than 3ft from the light (e.g. recessed can lighting, pendant style lighting applications). The Wide (60°) Beam Angle is great for plants closer than 3ft away from the light (e.g. lamp fixtures & desktop lighting applications).



Dimmable

Capable, and accommodating. The Vita™ is dimmable so that you can provide the perfect amount of light to your plant, every time.



LED Light Engine

Our chip on board LED features a photosynthetic spectrum similar to the quality of museum lighting. Our LED also provides a uniform source of light with a color rendering index value of 98.

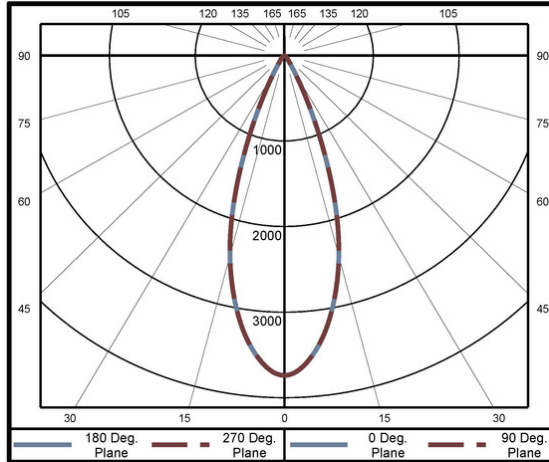




Vita-36-Uni

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.1599 A	18.89 W	0.984	60 Hz	14.1 %

Summary of Results	
Total Lumen Output	1512 Lumens
Luminaire Efficacy	80 lm/w
Maximum Candela	3739 Candela
CCT	2970 K
CRI	96.8
Duv	-0.0008
TM-30 Rf	94.0
TM-30 Rg	101.0

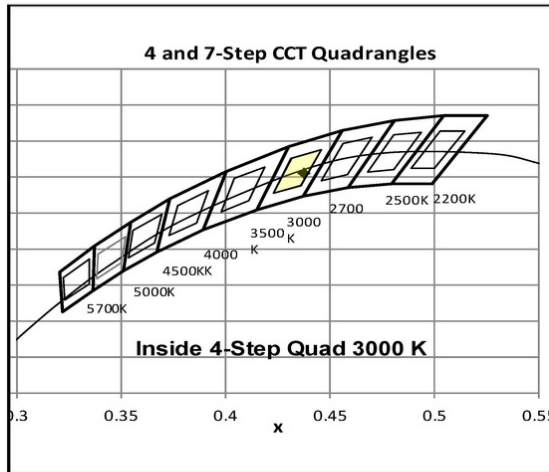


Intensity (Candlepower) Summary		
Angle	Mean CP	Lumens
0	3739	
5	3538	323
10	3071	
15	2413	652
20	1573	
25	754	358
30	284	
35	119	84
40	68	
45	45	35
50	31	
55	23	21
60	17	
65	13	13
70	9	
75	6	7
80	3	
85	1	1
90	0	

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1334	89.3%
0-40	1417	94.9%
0-60	1474	98.6%
0-90	1494	100.0%
40-90	77	5.1%
60-90	21	1.4%
90-180	0	0.0%
0-180	1494	100.0%

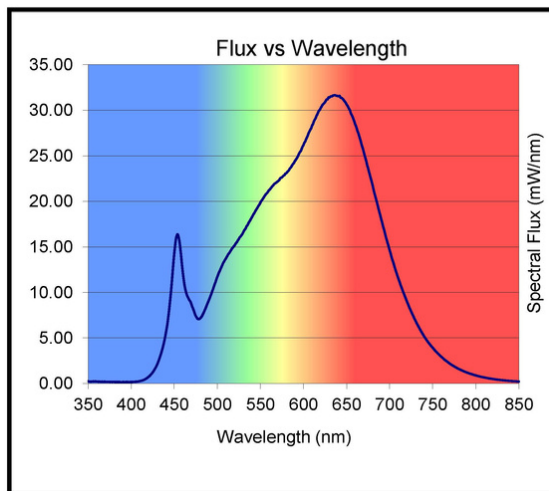
Spacing Criteria	
0-180	0.60
90-270	0.60

Average Luminance cd/m ²	
Vertical Angle	Horizontal Angle 0°
0	819900
45	13860
55	8830
65	6562
75	5197
85	2140



Color Rendering Index Details	
Ra (CRI)	96.8
R1	97.7
R2	98.3
R3	96.7
R4	97.1
R5	96.9
R6	96.7
R7	97.2
R8	94.2
R9	86.8
R10	94.5
R11	97.1
R12	83.6
R13	97.9
R14	97.4

Cone of Light Tabulation		
Mounting Height (Ft)	Footcandles at Nadir	Diameter (Ft)
4.00	234	2.42
6.00	104	3.63
8.00	58.4	4.83
10.0	37.4	6.04
12.0	26.0	7.25
14.0	19.1	8.46
16.0	14.6	9.67



Chromaticity Coordinates	
Chromaticity (x)	0.4378
Chromaticity (y)	0.4024
Chromaticity (u)	0.2519
Chromaticity (v)	0.3472
Chromaticity (u')	0.2519
Chromaticity (v')	0.5209
Duv	-0.0008

Testing was performed in accordance with LM-79-08
 The results contained in this summary pertain only to report #13626499.02

Make Life a little Greener



Installation Guide



