



Take Control of Your Lighting.

Bright Light Systems BLP421 Grow uses light emitting plasma (LEP) to provide a full spectrum, flicker-free light suitable for plant growth and horticulture applications. Consuming 270 watts, the BLP421 cuts energy costs by 40% when compared to traditional 400 watt high pressure sodium technology. A 50,000 hour (L70) lamp life minimizes maintenance cost and enables a return of investment of typically less than three years. Delivering high-density, continuous spectrum performance, this fixture offers UVA (280-315nm) and UVB (315-400nm) and is suitable for greenhouses and climate rooms. Integration of wireless controls with the Bright Light Management System offers additional energy savings up to 30%.

Features

- Reduce Energy Costs by 40%
- UVA & UVB Full Spectrum Light
- No Infrared Radiation
- Full Illumination in 60 Seconds
- Dimmable from 100% to 20%
- Easy Lamp & Reflector Maintenance
- Rated Lifetime of 50,000 Hours
- Dimmable via Wireless Controls
- 3-Year Limited Warranty

Application



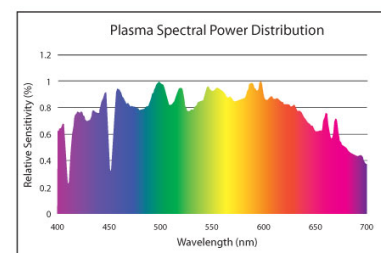
Specifications

Illumination Source	1 High Powered LEP (Light Emitting Plasma)
Lamp Type	STA 41-01 (Supplemental) or STA 41-02 (Grow)
Lumens	23,000 (41-01) or 17,000 (41-02)
Rated Lamp Life _{L70}	50,000 Hrs
Power Consumption	270 Watts
Power Factor	>.96
THD	< 20%
Reflector	Premium Quality, Die-formed Specular Reflector
Dimming Range	20 - 100%
Input Voltage	110V - 480V 50/60Hz
Finish	High Reflectance White w/ UV Inhibitors
Housing	Steel Enclosure with Marine Grade Powder Coat
Cooling	Natural Convection
Operating Temperature	-40°C to 45°C
Measurements	21"L x 11"W x 9.4"H
Weight	23 lbs (10.43 kg)
Warranty	5-Year Limited Warranty
Approvals	UL1598 Listed, CE

LEP Specifications

DESCRIPTION	STA41-01	STA41-02
Lamp Lumens	23,000	17,000
CCT	5,200K	5,200K
PPF (uMol/sec)	310	300
CRI	75	95
Color Spectrum	Full	Red Enhanced

SPD



Additional

Components are UL recognized and rated from -40°C to + 45°C ambient. Surge protection up to 20kV/10kA suppression in accordance with IEEE/ANSI C62.41.2 Category C and UL1449. Four mounts for hanging cables or hooks included. Designed and manufactured in the USA.

*Specifications subject to change without notice