

DS320G Greenhouse Bar

Supplemental bar for greenhouse crops

Specifications

POWER	320 W
SPECTRUM	Full spectrum - blue peak near 450nm, broad 540-660nm, deep-red peak near 690nm with a short far-red tail (spectrum graph)
COVERAGE	Flower 2ft x 3ft; Veg 3ft x 4ft
INPUT VOLTAGE	120-277VAC / 277-480VAC, 50/60Hz (rated input 110-277V)
DIMMING	0-100% dimmer knob, supports full-cycle grow and flower
DIMENSIONS	31.89"L x 3.35"W x 5.91"H (810 x 85 x 150 mm)
WEIGHT	6.0 kg
RATED LIFETIME	50,000 h
WARRANTY	5 years standard



Key features

- 896 $\mu\text{mol/s}$, 320W at 277VAC.
- Greenhouse-shaped spectrum: blue peak near 450nm, broad 540-660nm base, red peak near 690nm with a far-red tail.
- Top-bin Samsung LM281b diodes, called out specifically for this build.
- 2ft $\times$ 3ft flowering, 3ft $\times$ 4ft vegetative coverage — a narrower, more concentrated strip than the indoor DS320S.
- Compact frame at 31.89" $\times$ 3.35" $\times$ 5.91", 6.0kg — short enough to fit between gutters without shading.
- 0-100% dimming across the full grow and flower cycle, so output can track daylight rather than run flat out.
- 120-277VAC or 277-480VAC, power factor above 0.95, passive cooling to 40°C ambient.
- Five-year standard warranty, L90 beyond 50,000 hours.