

DURABLE, INDUSTRIAL-GRADE, INDOOR GROW LIGHT FIXTURE



BIOS® LIGHTING ICARUS® GI2



Medici Products & Solutions (Warwick, RI). Trial #2 in Test Flower Room - Record Yield for Cultivar Tested (Animal Cookies), 1.95 lbs/fixture, 1.8 g/kWh.

INDOOR, OPEN-BED CROP PRODUCTION

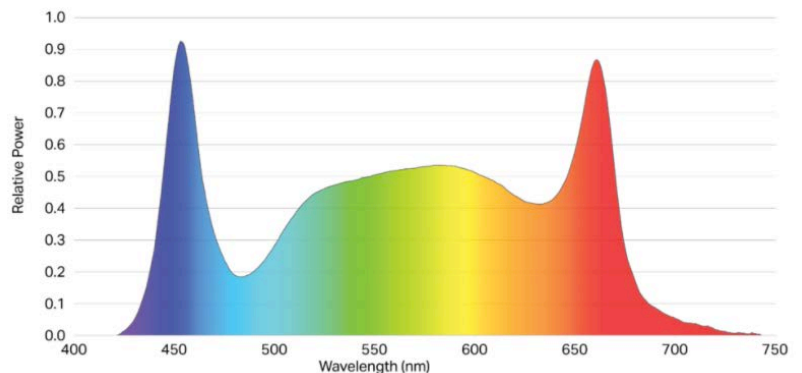
PREMIUM PAR OUTPUT AND PAR EFFICACY

The high-performance and energy-efficient BIOS Icarus Gi2 LED grow lights deliver the agricultural industry's highest PAR output and photon efficacy in a truly industrial-grade LED grow light fixture.

FEATURES AND BENEFITS

- Fully assembled, industrial grade construction and durability
- Broad light spectrum beneficial for all phases of plant growth and accurate crop assessment
- >40% less energy required compared to 1000W HPS
- Tempered glass cover allows fixtures to be easily maintained (cleaned) for optimal light output year after year

SCIENTIFICALLY ENGINEERED SPECTRUM TO MAXIMIZE PHOTOSYNTHESIS & GROWTH



Fixture Wattage: **640 Watts**

Voltage: **100-277VAC & 277-480VAC**

Photosynthetic Photon Flux ($\mu\text{mol PAR/s}$): **1359 $\mu\text{mol/s}$**

PAR Photon Efficacy ($\mu\text{mol PAR/J}$): **2.12 $\mu\text{mol/J}$**

Ingress Protection: **UL Listed for Wet Locations**

Warranty: **5 Year Limited**

* Performance tolerances (+/- 5%)

SPECIFICATIONS*

Input Power	640 W
PPF	1370 $\mu\text{mol/s}$
Input Voltage	Autosensing 90-305 VAC, 249-528 VAC
Thermal Management	Passive
Mounting Technique	Y-fit Gripple Hangers
Typical PPFD	800-900 $\mu\text{mol/s-m}^2$ for 4'X4' canopy
Light Distribution	110 °
Ambient Temperature	45-95 °F (7-40 °C)
Fixture Size / Weight US	33" L x 28 "W x 2.25" H 40 lb
Fixture Size / Weight M	83.8cm L x 71.1cm W x 5.7cm H 18 kg

Power Factor	> 90%
PAR Photon Efficacy	2.14 $\mu\text{mol/l}$
Applications	Open Bed Single Tier
Dimming	Linearly 0-10V
Mounting Height	18"-36" Above Plant Canopy
Housing and Finish	Powder coated extruded aluminum
Lifetime	L90: > 36,000 hrs
Certifications	UL8800, RoHS, FCC, UL Wet-Rated, IP66
Spectrum	Broad Spectrum
Warranty	5 Year Standard Limited

* Performance tolerances (+/- 5%)