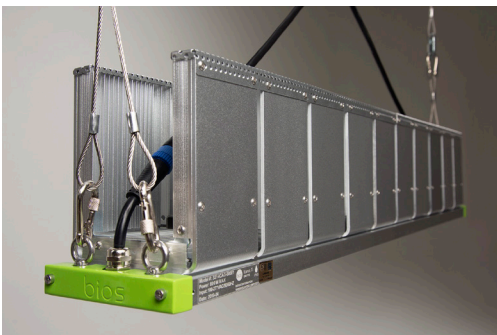


bios

Icarus[®] Ti2

SPECTRALLY OPTIMIZED
EASY-TO-INSTALL
Energy Efficient



Greenhouse and Indoor Top Light Applications

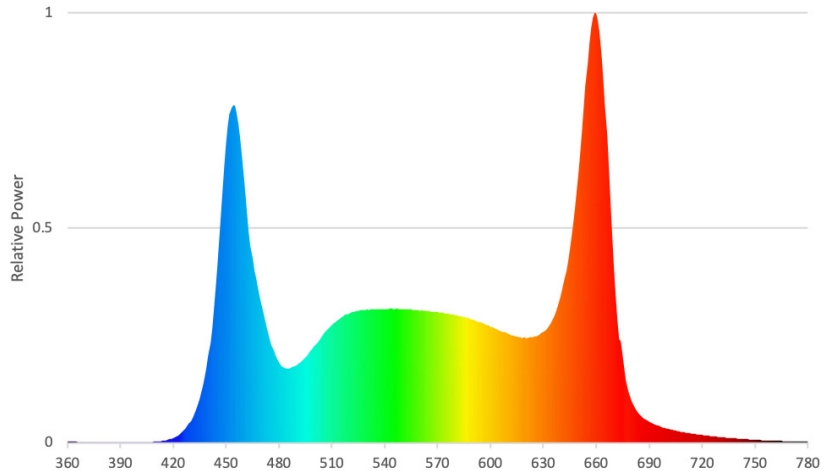
Exceptional PAR Output and PAR Efficacy

BIOS Icarus Ti2 LED grow lights offer maximum light output in a minimal footprint and durable form factor to boost crop production for greenhouse or indoor top light growing environments.

Features and Benefits

- + Fully assembled, industrial grade construction and durability.
- + Optimized broad spectrum, dimmable light for all phases of plant growth and production.
- + Remote 685W power supply (LED driver) for ease of installation.
- + Unique heat pipe thermal design allows for passive cooling, eliminating fans, moving parts, and noise.

Scientifically Engineered Spectrum Maximizes Photosynthesis and Growth



Performance Summary

- + Fixture Wattage: 685Watts
- + Voltage: 200-480VAC
- + Photosynthetic Photon Flux: 1750 $\mu\text{mol/s}$
- + PAR Photon Efficacy ($\mu\text{mol PAR/J}$): 2.6 $\mu\text{mol/J}$
- + Ingress Protection: IP66
- + Warranty: 5 Year Limited

Fixture Specifications

APPLICATIONS	Greenhouse Supplemental Lighting Indoor Top Light
INPUT VOLTAGE	200-480VAC
FIXTURE SIZE / WEIGHT US	44.25"L x 4.88"W x 6.75"H 23 lbs
FIXTURE SIZE / WEIGHT M	112.4 cm L x 12.4 cm W x 17.1 cm H 10.4 kg
POWER SUPPLY WEIGHT US	11.02"L x 5.67"W x 1.91"H 8.6lbs
POWER SUPPLY WEIGHT M	28.0 cm L x 14.4 cm W x 44.9 cm H 3.9kg
DIMMING SOURCE CURRENT	100uA (typical)
DIMMING PROTOCOL	0-10V I Dims to Off Linearly
HOUSING AND FINISH	Anodized clear
MOUNTING TECHNIQUE	Y-ft Gripple Hangers
MOUNTING HEIGHT	36"-96" Above Plant Canopy
SPECTRUM	Photosynthetically Optimized Broad Spectrum
CERTIFICATIONS	UL8800, RoHS, FCC, DLC
FIXTURE WATTAGE	685 W
POWER FACTOR	> 95%
PPF	1750 µmol/s
PAR EFFICACY	2.6 µmol/J
THERMAL MANAGEMENT	Passive heat pipe thermal management
WARRANTY	5 Year Standard Limited
LIGHT DISTRIBUTION	120°
AMBIENT TEMP. RANGE	41°F-104°F (5°C-40°C)
INGRESS PROTECTION	IP66
PROJECTED LIFETIME	L90: > 56000 hrs

Dimming Function

DIM	OUTPUT	OUTPUT
10%	180.0 MMOL/S	10.3%
20%	381.3 MMOL/S	21.8%
30%	575.6 MMOL/S	32.9%
40%	763.0 MMOL/S	43.6%
50%	943.6 MMOL/S	53.9%
60%	1117.6 MMOL/S	63.9%
70%	1285.0 MMOL/S	73.4%
80%	1446.2 MMOL/S	82.6%
90%	1601.2 MMOL/S	91.5%
100%	1750.2 MMOL/S	100.0%

Part Numbers

PART	SKU
Ti2 W/ 685W PSU	321-ICAG-00006TI
DC EXTENSION CABLE 2.5 METER	321-CABS-00002
AC EXTENSION CABLE 2.5 METER	321-CABS-00043
NEMA 5-15P	321-CABS-00040
NEMA 6-15P	321-CABS-00041
NEMA L6-15P	321-CABS-00038
NEMA L6-20P	321-CABS-00039
NEMA L7-15P	321-CABS-00042
NEMA L7-20P	321-CABS-00045
DIMMING CHAIN 'Y' CABLE	321-CABS-00049
Dimming Chain Jumper Cable; 2.5M	321-CABS-00050
Hydro-X Controller w/ 3-in-1 Sensor (Temp / Humid / Light)	321-HCS-1
Hydro-X Lighting Control Adaptor (0-10V control protocol)	321-LMA-14

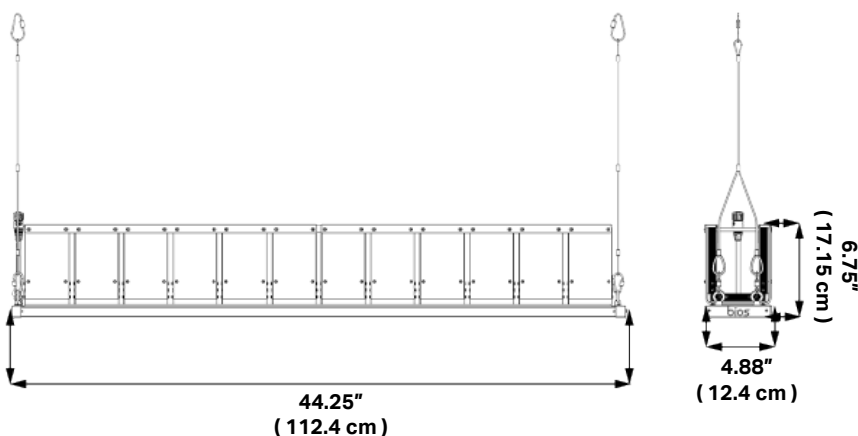
Product Accessories

DC Extension Cable 2.5 Meter
AC Extension Cable 2.5 Meter
NEMA Plugs:

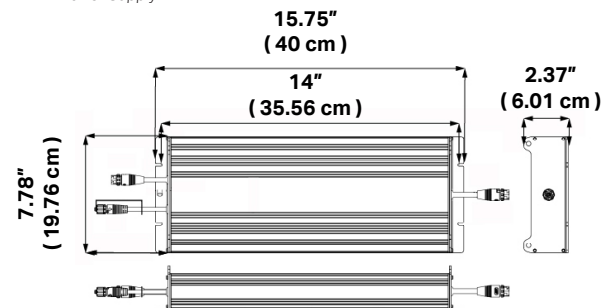
5-15P, 6-15P, L6-15P, L6-20P, L7-15P, L7-20P

Product Dimensions

Fixture



Power Supply



Cables

