



bios

Icarus[®] Ti2

SPECTRALLY OPTIMIZED
EASY-TO-INSTALL
ENERGY EFFICIENT

Greenhouse and Indoor Top Light Applications

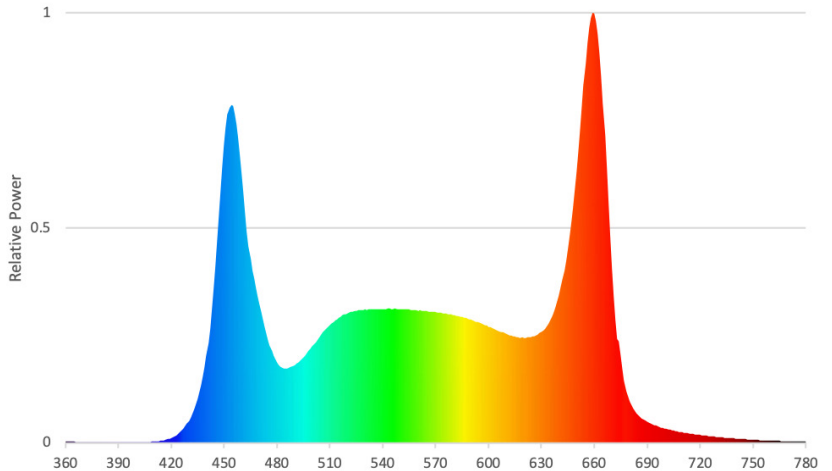
Exceptional PAR Output and PAR Efficacy

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: 180-480VAC
- + 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	CERTIFICATIONS	UL8800, RoHS, FCC, DLC
INPUT VOLTAGE	180-480VAC	FIXTURE WATTAGE	685 W
FIXTURE SIZE / WEIGHT US	44.25"L x 4.88"W x 6.75"H 23 lbs	POWER FACTOR	> 95%
FIXTURE SIZE / WEIGHT M	112.4 cm L x 12.4 cm W x 17.1 cm H 10.4 kg	PPF	1750 μmol/s
POWER SUPPLY WEIGHT US	11.34"L x 5.67"W x 1.95"H 11.4 lbs	PAR EFFICACY	2.6 μmol/J
POWER SUPPLY WEIGHT M	28.80 cm L x 14.40 cm W x 4.95 cm H 5.2kg	THERMAL MANAGEMENT	Passive Thermal Management
DIMMING SOURCE CURRENT	100uA (typical) Provides Source Current	WARRANTY	5 Year Standard Limited
DIMMING PROTOCOL	0-10V I Dims to Off Linearly Provides Source Current	LIGHT DISTRIBUTION	120°
HOUSING AND FINISH	Anodized clear	AMBIENT TEMP. RANGE	41°F-104°F (5°C-40°C)
MOUNTING TECHNIQUE	Gripple Hangers	INGRESS PROTECTION	IP66
MOUNTING HEIGHT	36"-96" Above Plant Canopy	REPORTED LIFETIME	Q90: 44000 hrs
SPECTRUM	Photosynthetically Optimized Broad Spectrum		

Available Accessories

Accessory	Part Number
(1) AC Jumper Cable	BP-0ACC-000-120003-1
(1) DC Jumper Cable	BP-0ACC-000-220001-1
(1) Dimmer Chain Pigtail	BP-0ACC-000-350001-1
(1) Dimmer Chain Jumper	BP-0ACC-000-350002-1
(1) Dimmer Chain T Cable	BP-0ACC-000-350003-1
(1) AC Power Chain Pigtail	BP-0ACC-000-140001-1
(1) AC Power Chain Jumper	BP-0ACC-000-140002-1
(1) AC Power Chain T-Cable	BP-0ACC-000-140003-1

Accessory	Part Number
AC Pigtail	BP-0ACC-000-120001-1
(1) NEMA 5-15P	BP-0ACC-000-110001-1
(1) NEMA 6-15P	BP-0ACC-000-110002-1
(1) NEMA L6-15P	BP-0ACC-000-110003-1
(1) NEMA L6-20P	BP-0ACC-000-110004-1
(1) NEMA L7-15P	BP-0ACC-000-110005-1
(1) NEMA L7-20P	BP-0ACC-000-110006-1
(2) Small Y Hangers	BP-000B-000-YKAB02-1

Product Dimensions

