

TF 1600W PRO

Foldable full-spectrum + UV/IR, 3-channel control

Specifications

POWER	1600 W
PPF	4,480 $\mu\text{mol/s}$
SPECTRUM	Full spectrum white (Samsung LM281B) + 450nm blue + 660nm deep red + 730nm far-red + 395nm UV
CONTROL CHANNELS	3
COVERAGE	Flower 4ft x 8ft; Veg 5ft x 9ft
INPUT VOLTAGE	120-277VAC / 277-480VAC, 50/60Hz (rated input 110-277V)
DIMMING	0-100% dimmer knob; three channels (UV / IR+deep-red / white+blue) dimmable independently; RJ12 port for group control
IP RATING	IP65
RATED LIFETIME	50,000 h
WARRANTY	5 years standard



Key features

- 4,480 $\mu\text{mol/s}$, drawing 1,600W at 277VAC — the highest single-fixture output in the range.
- Three-channel control. UV (395nm), IR and deep red (660/730nm), and the white/blue base each dim independently from the fixture knob or the GC001 controller.
- 4ft x 8ft flowering, 5ft x 9ft vegetative coverage, with 1,300 $\mu\text{mol/m}^2/\text{s}$ average PPFD measured at 1ft from canopy.
- Wide-input driver: 120-277VAC or 277-480VAC at 50/60Hz, power factor above 0.95. At 277V the fixture draws 5.8A, so a 480V three-phase room fits more fixtures per circuit.
- Passive thermal management rated to 40°C / 104°F ambient — no fans in the canopy, nothing to clean or replace.
- IP65 sealed, flicker-free and damp-location rated, so IPM sprays and irrigation overspray are not a service event.
- Folding frame ships at 1235 x 1160 x 142mm, 32.9kg gross — one fixture per carton, no field assembly of bars.
- Five-year standard warranty, L90 rated beyond 50,000 hours.