TLB -2

5ft 4 Spectrum LED Bar(UV+White+Deep Red+Far Red)

5' LED Bar with 4x Spectrum Channels (White+ Deep Red+ Far Red+ UV) for Model One LED System, TLB-2, is an advanced 5' LED light bar that features four spectrum channels, including full spectrum, deep red, far red, and UV. When connected to a TrolMaster controller, the TLB-2 can replicate natural sunlight properties by allowing the user to adjust the actual light spectrum.

This empowers growers to customize the desired light recipe for their plants, taking advantage of the four separately controllable spectrum channels. Each TLB-1 provides 90 watts of light.



Specifications

TLB-2

PPF

PPF	Up to 270 μmol/s

Efficacy

Efficacy	Up to 3.0 μmol/J

IP Water Resistance

IP Rating	IP56

Intput Power

Intput Power	90W

Lifetime

Lifetime	L90: >54,000 hours

Mounting Height

Height	>6" (15.2cm) Above Canopy

Warranty

Warranty	5 Years Standard Warranty

Working Environments

Temperature	32~104°F (0~40°C)
Humidity	≤90%RH

Package Dimensions

Size	57.36inch / 1457 mm(L) x 2.13inch / 54 mm(W) x 2.68inch / 68 mm(H)
Weight	1.87lbs / 0.85kg

Package Contents

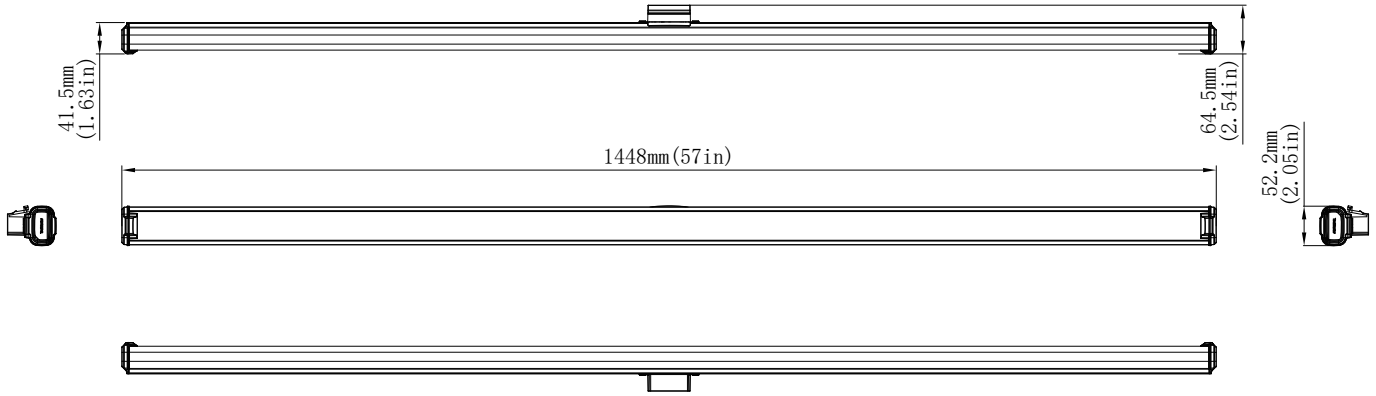
TLB-2 5ft 4 Spectrum LED Bar	1pc

Intertek 5008191

Installation

TLB-2

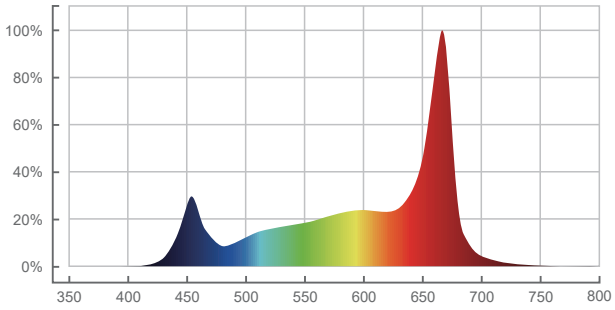
DIMENSIONS



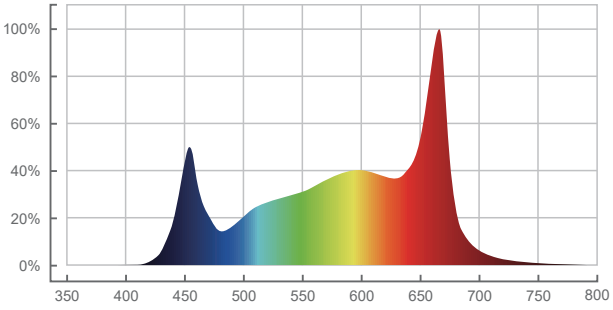
Spectrum

TLB-2

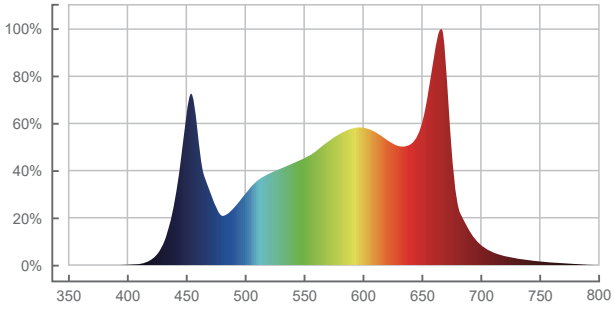
Efficacy: Up to 3.0 μmol/J



Efficacy: Up to 2.9 μmol/J



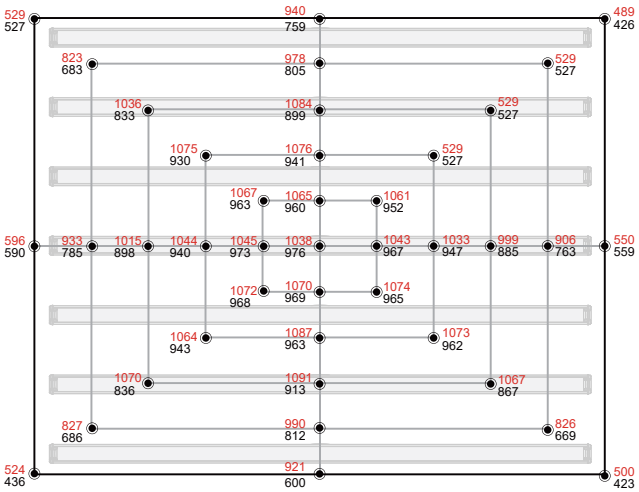
Efficacy: Up to 2.8 μmol/J



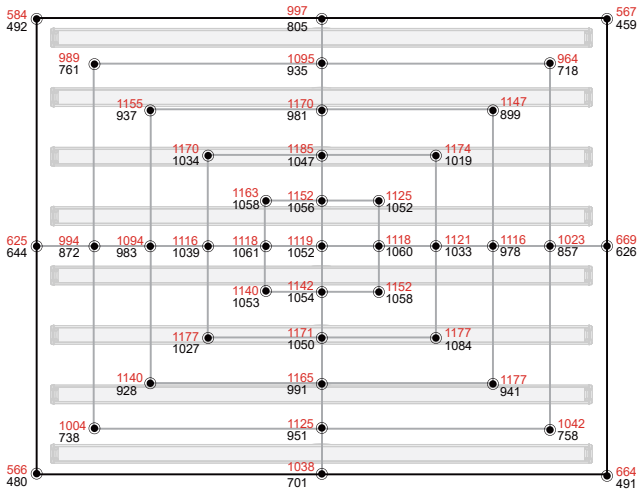
PPFD Distribution Map

TLB-2 **Tested at 6” (15.2 cm) / Tested at 12” (30.5 cm)**

Average PPFD for 7-Bar Configuration: 942 / 814

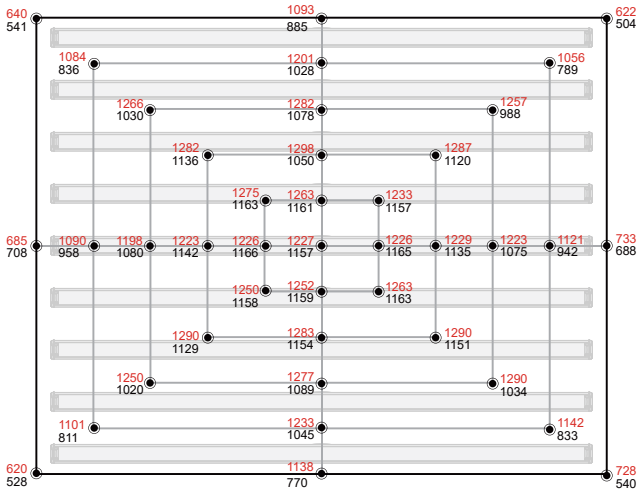


Average PPFD for 8-Bar Configuration: 1040 / 896

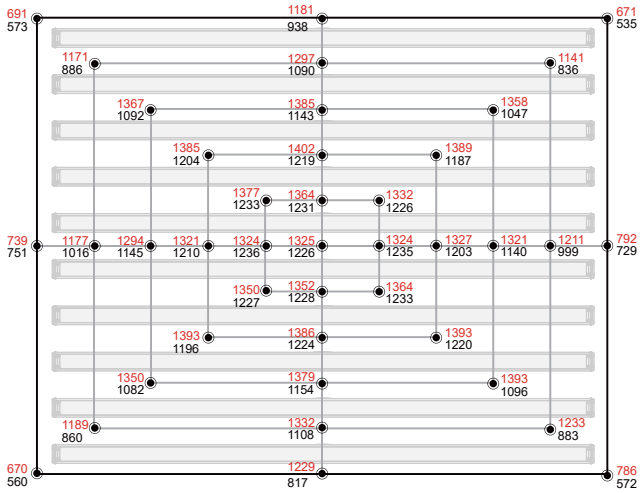


Note: For configurations with 9 or more light bars (PPFD > 1100 μmol/s/m²), supplemental high-concentrationCO2 (1200–1500 ppm) and a robust climate control system are recommended.

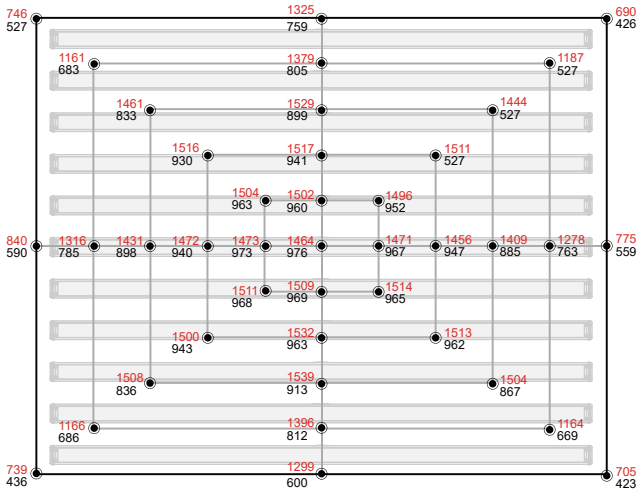
Average PPFD for 9-Bar Configuration: 1140 / 985



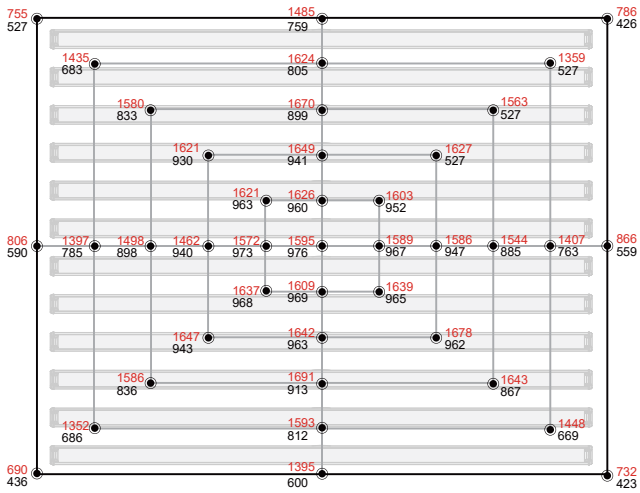
Average PPFD for 10-Bar Configuration: 1231 / 1044



Average PPFD for 11-Bar Configuration: 1328 / 1126



Average PPFD for 12-Bar Configuration: 1446 / 1243



Note: For configurations with 9 or more light bars (PPFD > 1100 µmol/s/m²), supplemental high-concentrationCO_2 (1200–1500 ppm) and a robust climate control system are recommended.