TLB -1

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

4' LED Bar with 4x Spectrum Channels (White+ Deep Red+ Far Red+ UV) for Model One LED System, TLB-1, is an advanced 4' LED light bar that includes four spectrum channels, including full spectrum , deep red, far red, and UV. When connected to a TrolMaster controller, the TLB-1 can replicate natural sunlight properties by allowing the user to adjust the actual light spectrum. Each TLB-1 provides 90 watts of light , effectively meeting the needs of ALL phases from vegetative to flowering.



Specifications

TLB-1

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	45.35inch / 1152 mm(L) x 2.13inch / 54 mm(W) x 2.68inch / 68 mm(H)
Weight	1.65lbs / 0.75kg

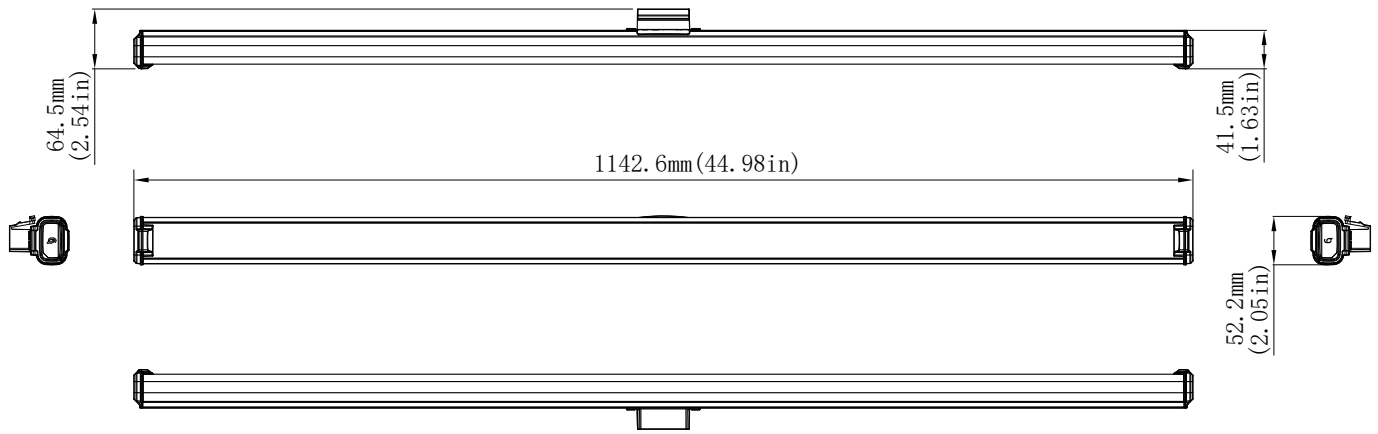
Package Contents

TLB-1 4ft 4 Spectrum LED Bar	1pc

Installation

TLB-1

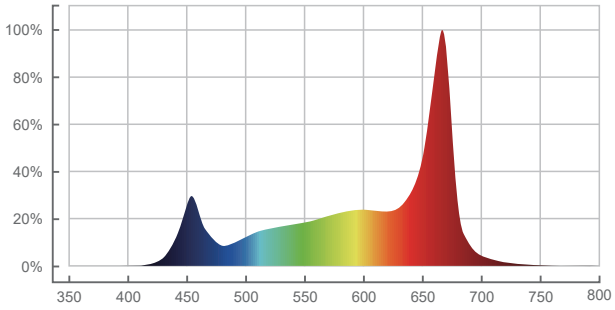
DIMENSIONS



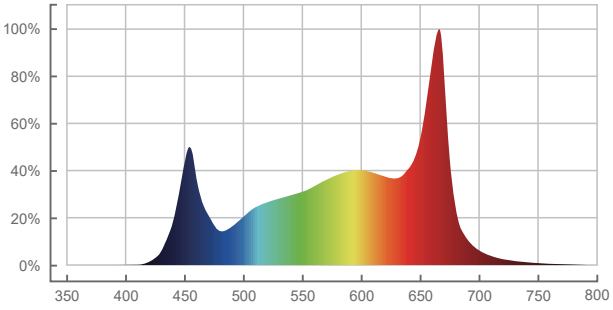
Spectrum

TLB-1

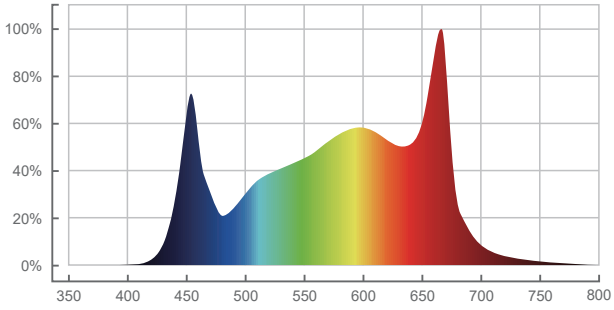
Efficacy: Up to 3.0 µmol/J



Efficacy: Up to 2.9 µmol/J



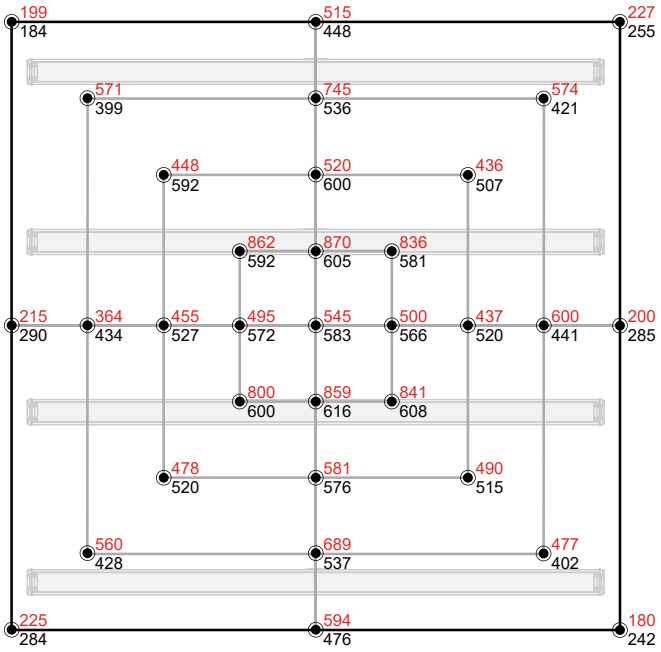
Efficacy: Up to 2.8 µmol/J



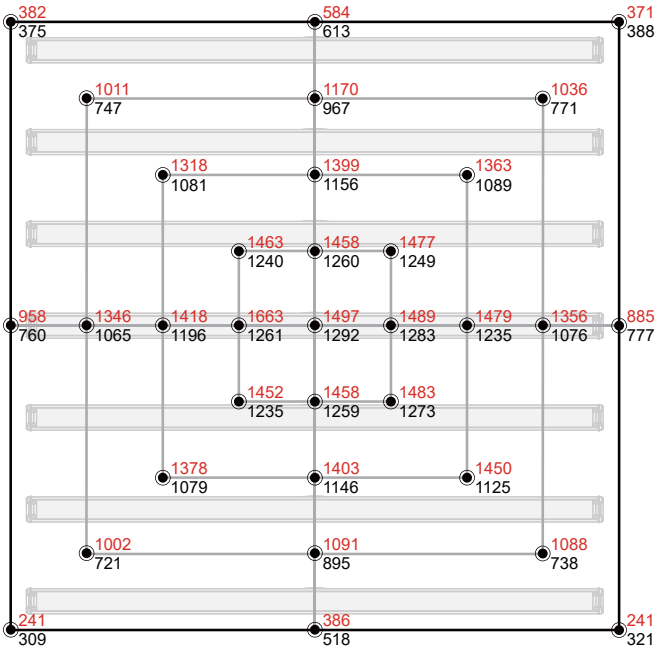
PPFD Distribution Map

TLB-1 **Tested at 6” (15.2 cm) / Tested at 12” (30.5 cm)**

Average PPFD for 4-Bar Configuration: 527 / 477

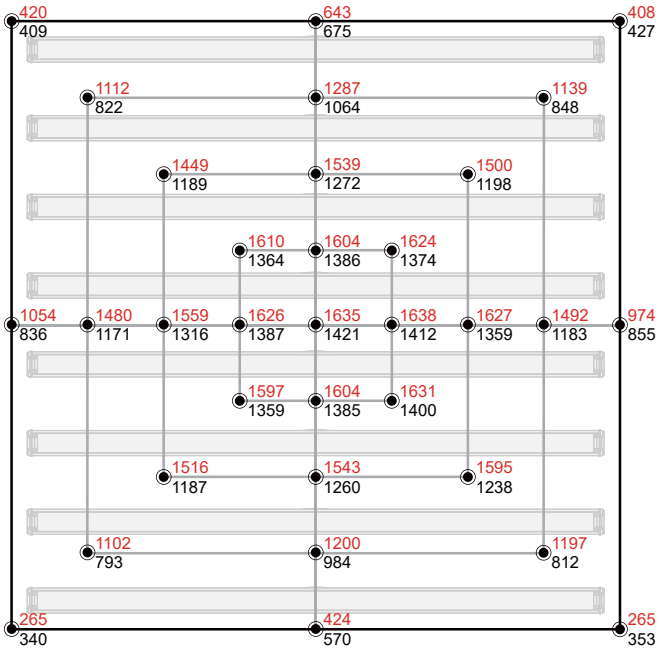


Average PPFD for 7-Bar Configuration: 1140 / 955

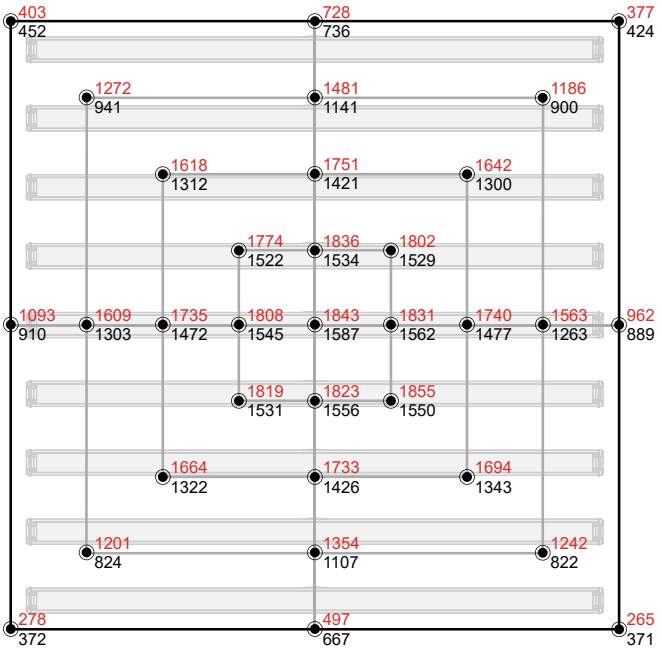


Note: For configurations with 9 or more light bars (PPFD > 1100 µmol/s/m²), supplemental high-concentrationCO2 (1200–1500 ppm) and a robust climate control system are recommended.

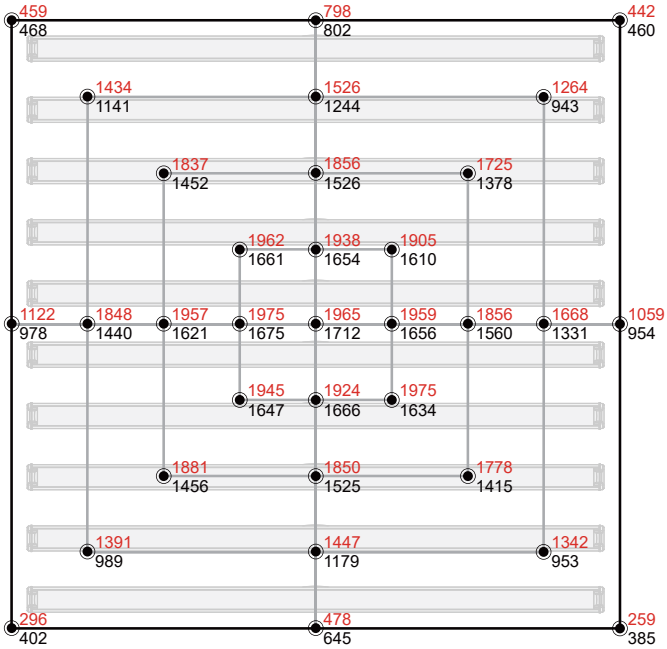
Average PPFD for 8-Bar Configuration: 1253 / 1050



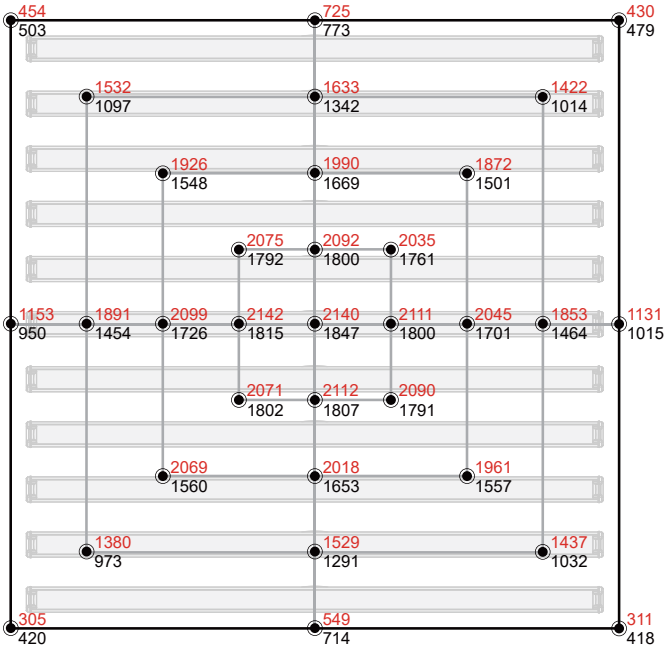
Average PPFD for 9-Bar Configuration: 1378 / 1155



Average PPFD for 10-Bar Configuration: 1489 / 1247

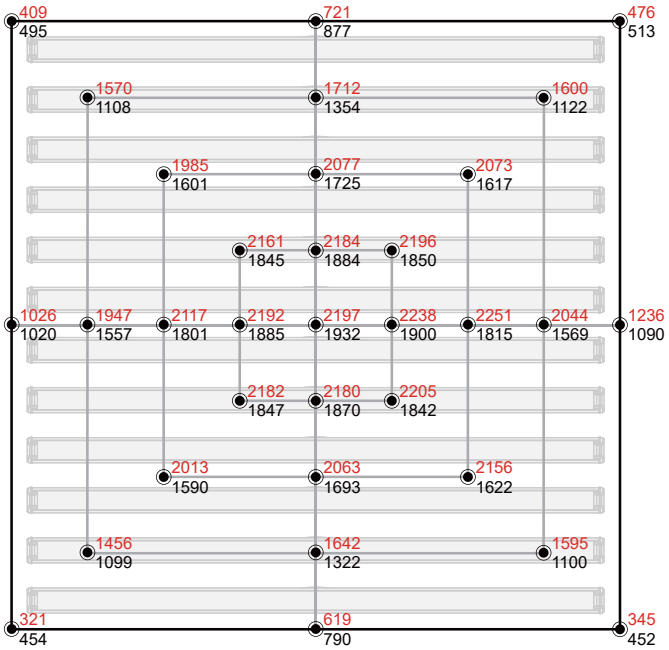


Average PPFD for 11-Bar Configuration: 1593 / 1335



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 12-Bar Configuration: 1672 / 1401



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.