



# P.L. LIGHT SYSTEMS

THE LIGHTING KNOWLEDGE COMPANY

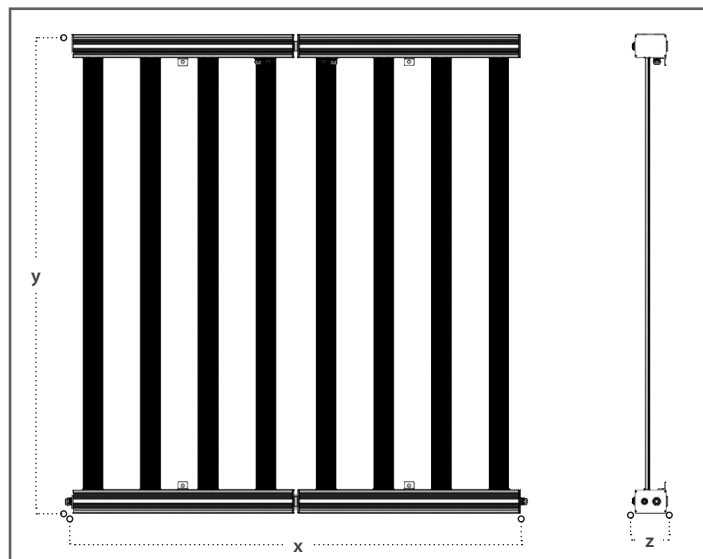
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| FIXTURE | VertiMax |
|---------|----------|
| Project |          |
| Notes   |          |



| TECHNICAL SPECIFICATIONS†   |                                                                                                                                  |       |       |          |       |       |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------|-------|----------|-------|-------|
| Rated Main Voltage          | 120-277V                                                                                                                         |       |       | 277-480V |       |       |
| Amperage (max)              | 120V                                                                                                                             | 240V  | 277V  | 347V     | 400V  | 480V  |
|                             | 5.37A                                                                                                                            | 2.67A | 2.31A | 1.85A    | 1.60A | 1.34A |
| Power                       | 640W                                                                                                                             |       |       |          |       |       |
| Light Source                | LED                                                                                                                              |       |       |          |       |       |
| Photon Efficacy (350-800nm) | 2.8 µmol/J                                                                                                                       |       |       |          |       |       |
| Photon Flux (350-800nm)     | 1800 µmol/s                                                                                                                      |       |       |          |       |       |
| Power Factor                | >0.95                                                                                                                            |       |       |          |       |       |
| Input Frequency             | 50/60Hz                                                                                                                          |       |       |          |       |       |
| Application Environment     | Intended for use in Indoor (Stacked / Non-Stacked) or Greenhouse (Propagation) controlled environments. Max Ambient Temp of 40°C |       |       |          |       |       |
| Lifetime                    | L90B5 at 50,000 hrs**                                                                                                            |       |       |          |       |       |

†Accurate to ± 10%

\*\*Scientifically extrapolated calculation for Par Maintenance of light is L90B5 at 50,000hrs (this means that expected lifespan of LEDs is defined as ≤5% of luminaires can depreciate below the expected 90% PAR maintenance within 50,000 hours).

| DIMENSIONS            |                       |                    |                        |                        |
|-----------------------|-----------------------|--------------------|------------------------|------------------------|
| Length (x)            | Width (y)             | Height (z)         | Weight                 |                        |
| 45.05 in<br>(1144 mm) | 46.76 in<br>(1187 mm) | 3.07 in<br>(78 mm) | 120-277V               | 277-480V               |
|                       |                       |                    | 27.56 lb.<br>(12.5 kg) | 33.07 lb.<br>(15.0 kg) |

| SPECIFICATION                   |            |                        |            |                   |                                                                              |
|---------------------------------|------------|------------------------|------------|-------------------|------------------------------------------------------------------------------|
| 1. FIXTURE                      | 2. WATTAGE | 3. VOLTAGE             | 4. DIMMING | 5. COLOUR SPECTRA | 6. CORDS                                                                     |
| VertiMax<br>(Integrated Driver) | 640W       | 120V-277V<br>277V-480V | 1-10V* Dim | Full Spectrum     | 8FT AC Power Cord w/Flying Leads<br>8FT AC Power Cord to RST 3P GRN Male End |

\*The VertiMax is designed as a 1-10V sourcing supply, and is compatible with most major environmental control systems that use 0-10V sinking protocols.

Limited warranty for a period of five (5) years. from date of invoice