



# TSL-800

## 1:1 HPS REPLACEMENT



**Controller  
Compatible**

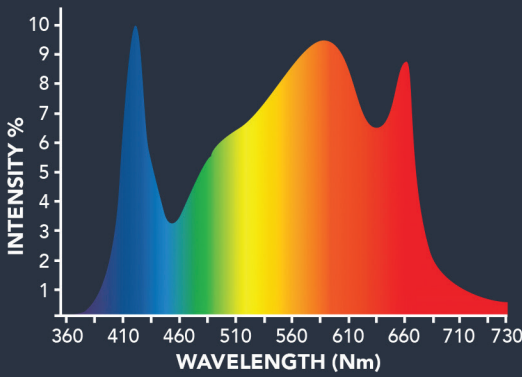


**CPS  
Compatible**



**UL 8800  
CERTIFIED**

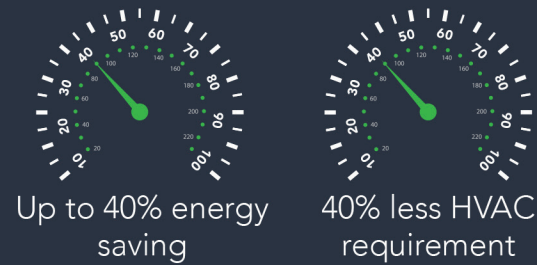
Introducing the TSL-800 Grower's Choice direct 1:1 replacement for traditional 1000w HPS fixtures. Featuring our new patented passive thermal management design upping cooling capabilities by up to 40%. Utilizing our patented diode deployment allows us to achieve the desired angles of light distribution and an upgraded PAR output resulting in up to a 30% increase using our new GC 3KF bloom spectrum. Compatible with the Growers Choice Master Controller or CPS (Central Power Solution) this revolutionary new LED fixture can be operated by almost any level grower and is scalable for all cultivations, with the greatest yield potential in the industry.



## High Performance:



## Energy Saving and Easy HVAC :



## Total Control:

The TSL800 is controllable with Grower's Choice Master Controllers and is compatible with all quality master controllers. Cultivators can set the fixture to turn off and on at desired times, program sunrise/sunset settings, program dimming options and set protective fail safes to dim or turn off fixtures in the event of excessive room temperatures, such as in the event of HVAC failure, potential saving gardens from heat damage.



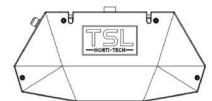
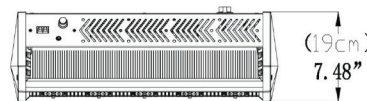
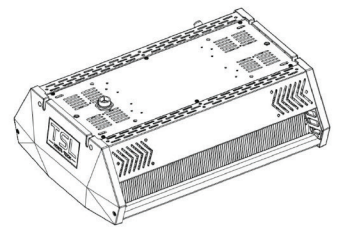
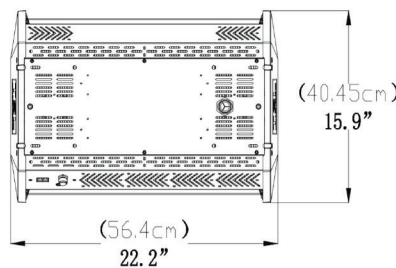
Compatible with  
Grower's Choice Master Controller



SPECIFICATIONS	
Model	TSL800A
Item	
Light Source	LED
Spectrum	GC-3KF Bloom Phase
PPF (umol/J)	1900-2080 umol/s
Input Power	800W
PPE (umol/s)	2.6 umol/J
Color Render Index/weight	≥86
Fixture Dimension (L*W*H)	21.2"L x 16.1"W x 11"H / 54cm x 41cm x 28cm
Fixture Weight	32lbs / 14.5kg
Mounting Height	6" - 24" (15.2 - 61cm) depending on application
Thermal Management	Passive
Power Driver	Isolated Driver
Driver Efficiency	≥90% (220 Vac Input)
Dimming	0-10V & Step Dimming
Dimming Range	10%~100%
Light Distribution	120°
Maximum Ambient Temperature	104°F / 40°C
Power Factor	>0.9
Standards	UL8800, UL1598, EN60598-2-1
Certifications	UL, CE, DLC
Lifetime	Q90>54,000 hrs
Warranty	5 Years Standard Warranty

AMPERAGE BY VOLTAGE SERVICE @ 800W

VOLTAGE	120V	208V	240V	277V
AMPERAGE	6.7A	3.8A	3.5A	2.9A



\* PPF calculations complied using our in-house integrating sphere measurements and typical spectroradiometric data for each LED to determine the fixture performance. Actual photometric results may vary within the LED's manufacturer's bin tolerance.

\* Wattage values are typical expected values. TSL Horti Tech maintains a tolerance of +/- 10% range on flux and power consumption. Target light level can vary from projected levels depending on ambient temperature, room reflections values, and other conditions.