The Lighting Solution for Optimal Growth
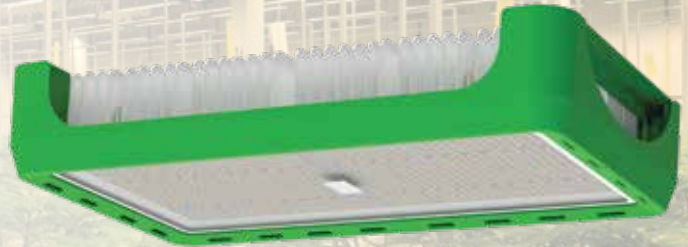
The TG-1000HVR top light fixture is designed to optimize large-scale commercial growing for indoor or greenhouse environments. Eliminating the need for on-board ballasts, the TG-1000HVR provides unlimited flexibility in layout design and removes heat from the grow room, resulting in easy installation, simplified maintenance and unparalleled performance and control.
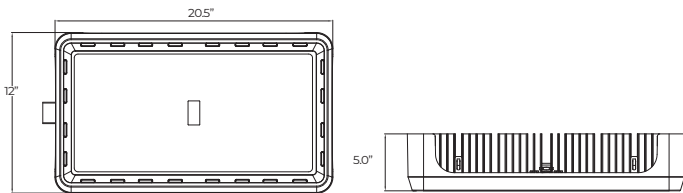
TG-1000HVR-WL-S

For Vertical Farming, Greenhouses and Indoor Growing
Greenhouse: Top Light, Supplemental, Other
Indoor: Stacked and Non-Stacked, Top Light, Supplemental, Sole-Source, Other
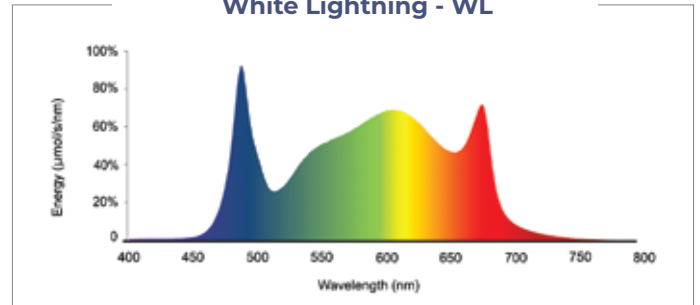
Spectrum	WL
PPF	2653 µmol/s
Input Power	0-1000W
Input Voltage	240-260V DC
Weight	19 lbs
Efficacy	2.65 µmol/J
Dimming & Control	0-10V Dim to Off
Connectors	Quick Disconnect
Integral Control	Energy Monitoring
Max. Operating Temperature	40°C
Thermal Management	Passive
Lifetime	Q90 >48,000 hrs
Certifications	UL8800
Heat Output	up to 3414 BTU/hr
Warranty	5 Years

+ Daisy Chain - Easy Play n Play

+ Remote Ballast / Driver

+ IP66 with Lens for Easy Cleaning & Wash downs

+ Centralized Trouble Shooting and Maintenance

+ Highly Efficient & Cost Effective

+ Full Spectrum

+ Zone, Local, and Cloud Control

+ No Local On Fixture Ballast

+ No Dimming Wires, Contactors or Relays Needed

White Lightning - WL

+Suggested Wiring Size

Wire Distance Chart

Up to 300°	Up to 500°	Up to 700°	Up to 1000°
12 Awg	10 Awg	8 Awg	6 Awg

TECHNICAL DIAGRAM

Real Time Monitoring, Analytics and Crop Steering with GROWHub

Unlimited zone mapping and light control - even when connected to 3rd party control systems

Detailed power monitoring of building, rooms and zones

Full control and monitoring over lighting and power for consistent quality yields every time. Manage, track and control every fixture and zone in your grow.

Software monitoring and control intelligence for cultivation optimization to minimize operating costs while providing crop to crop historical comparisions for growing consistency.

High Voltage Remote Driver

Ideal for large scale growing

Power Factor	>0.95
Efficiency	94%
Input Voltage	208-480 VAC
Output Modules	8
Output Power	24 K (3KW / Module)
Location	Outside Grow Room
Output Power	HVDC
Dimming & Control Methods	0-10V, PoE, Ethernet
Connectors & Transmission Hardware	RJ11, RJ12, RJ45, Quick Disconnect, Flying Leads, Terminal Block, USB
Integral Control Capabilities	Energy Monitoring, Dimming: 0-100%
Local and Cloud Control	Yes
Scheduling	Yes
Monitoring	Yes
DLI Control	Yes

Lighting as a Platform (LaaP)

+ Lighting as a service, the right amount at the right time

+ Set and automate your growing profiles. Remote monitoring, no more wondering

+ Build your financial model on consistent production and quality with TSRgrow™ distributed LED lighting solutions

+ Centralized operation and maintenance outside the grow area, no contamination or disruption to schedules

+ GROWHub Maintains 24x7 Crop Recipe for Consistent Production and Yields

GF 5.24