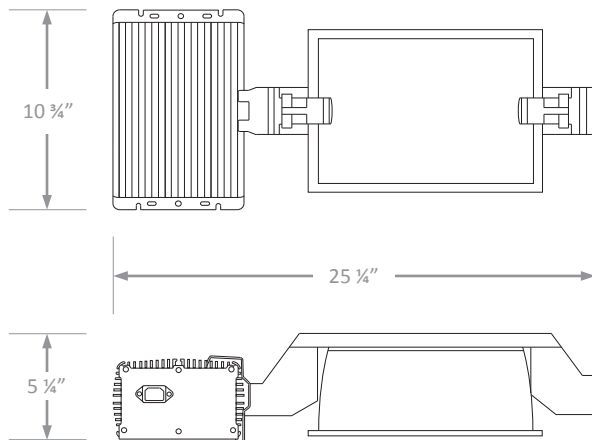




## DIMENSIONS



Weight: 12.2 lbs.

## PRODUCT DESCRIPTION

The GLHID-1000 is a high-performance, high intensity discharge (HID) grow light. Designed to illuminate commercial horticultural facilities, the HIDGL-1000 provides uniform illumination from T10, dual-ended HID lamps, which are both an economical and proven lighting technology. Using either high pressure sodium (HPS) or metal halide (MH) lamps, the GLHID-1000 provides a wide variety of lighting color spectrums, which optimize plant growth at all stages of maturation.

## FEATURES

- Complete luminaire comes with the following standard equipment: Electronic HID ballast, reflector, HPS lamp, AC power cord, and one set of ratcheting rope hangers.
  - Models designed for use with 120-240 input voltage come standard with a detachable AC cordset terminated with a NEMA5-15P (120V) plug. Use optional, detachable AC power cord with NEMA 6-15P plug for 208-240V applications.
  - Models designed for use with 208-277 input voltage come standard with a hard-wired AC cordset terminated with stripped wires.
  - Field-adjustable, 5-level dimming adjustment provides control over individual luminaires. Optional programmable controller provides control over up to 100 luminaires.
  - Delivers photosynthetic photon flux (400-700 nanometers) of 1,648 mol/second of photosynthetic active radiation (PAR) with HPS lamps, and 1,241mol/second of PAR with MH lamps (both with dimming control at the 1,000 level). See Spectral Quantum Distribution for additional details.\*\*
  - Input power of 1,055 Joules\*, and photosynthetic photon efficiency (PPE) of 1.6 with HPS lamps and 1.2 with MH lamps.\*
- High-frequency electronic ballast provides optimal efficiency with either HPS or MH lamps.
- Select from universal 120-240 AC voltage (50-60Hz) or universal 208-277 AC voltage (50-60Hz).
  - Power factor > 0.95.
  - Total harmonic distortion < 10%.
  - Current crest factor < 1.7.
  - Extruded aluminum ballast housing & specular aluminum reflector.
  - Sliding lamp holders lock lamp securely in place.
  - Mount luminaire by hanging from two pre-installed mounting hooks. Luminaire mounting height is easily adjusted using enclosed ratcheting rope hangers.

\*\*Contact factory for other lamp and lumen packages.

## ORDERING INFORMATION

EXAMPLE: GLHID-1000-HPS-120-240

Model	Input Power (Joules)	Lamp	Input Voltage	Accessories (Order Separately)
GLHID	1000	HPS = High Pressure Sodium MH = Metal Halide (6000k)	120-240 = 120-240V 208-277 = 208-277V	GLHID-AC5M240C13 = AC power cord, NEMA 6-15P plug (208-240V), IEC320 C13 plug, 5 meters long GLHID-PC = Programmable controller GLHID-HPS1000 = Replacement lamp, 1000J high pressure sodium GLHID-MH1000-6K = Replacement lamp, 1000J metal halide (6000K) GLHID-REF = Replacement reflector GL-TETHER = Ratcheting rope hangers (pair), 2 meters long

\*Joules = watts/second

### WARRANTY & LISTINGS

- cETLus for damp locations.
- Suitable for ambient temperatures from -25°C to 40°C (-13°F to 104°F).
- Complies with ANSI/IEEE C62.41, surge immunity protection (1.5kV).
- 5-year warranty on housings, 3-year warranty on ballasts, and 1-year warranty on lamps.

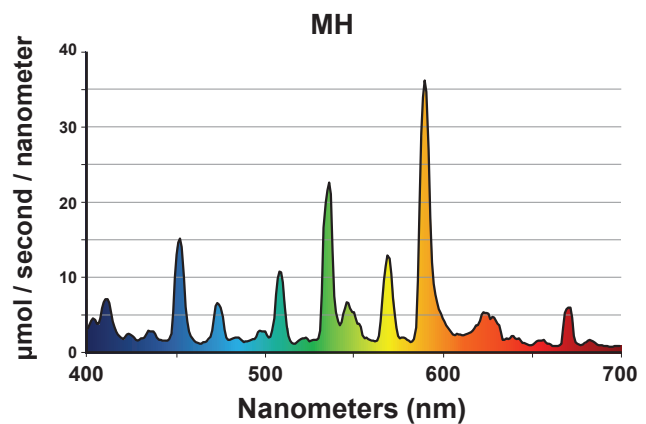
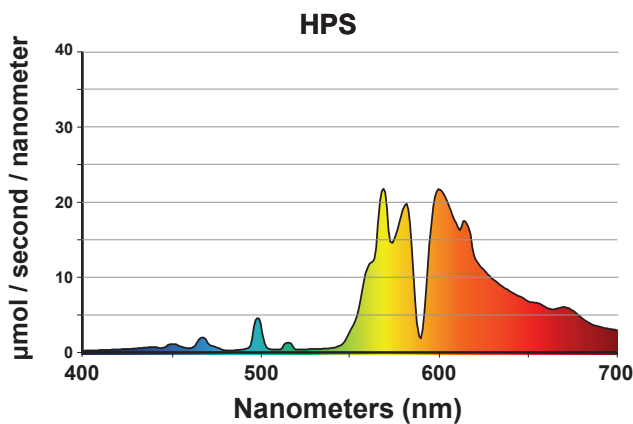
### ELECTRICAL DATA

Model	Photosynthetic Photon Flux (μmol/second)	Input Power (Joules*)	Photosynthetic Photon Efficiency (PPE)	Input Current (A) <sup>1</sup>				Power Factor	THD <sup>2</sup>	Average Lamp Life
				120V	208V	240V	277V			
GLHID-1000-HPS	1,648	1,055	1.6	8.8	5.1	4.4	3.8	>95%	<10%	12,000
GLHID-1000-MH	1,241	1,058	1.2	8.8	5.1	4.4	3.8	>95%	<10%	10,000

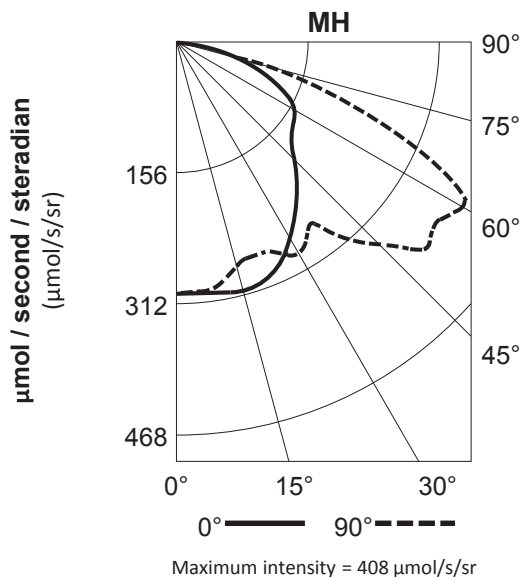
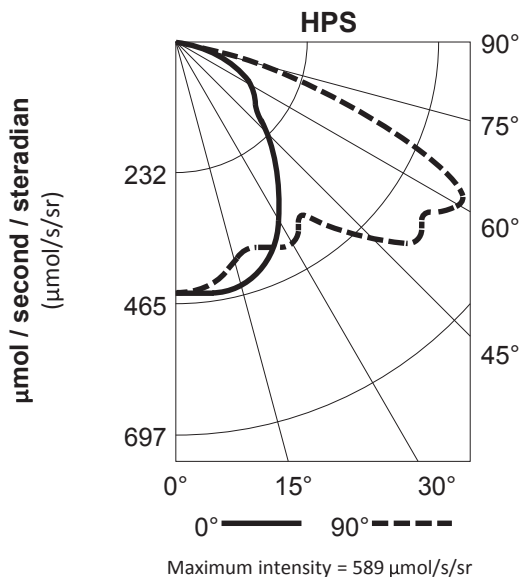
<sup>1</sup> All 50-60Hz.

<sup>2</sup> Total harmonic distortion.

### SPECTRAL QUANTUM DISTRIBUTIONS

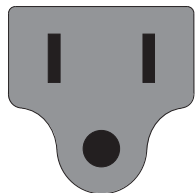


### PHOTOSYNTHETIC PHOTON INTENSITY DISTRIBUTION (PPID)

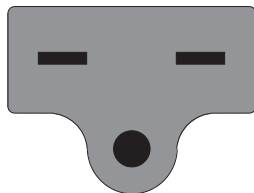


\*Joules = watts/second

### AC PLUGS



**NEMA 5-15P**  
(120V)



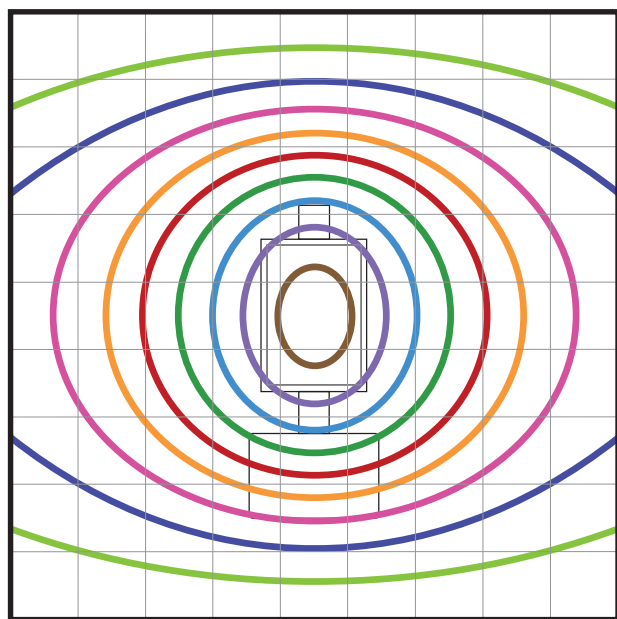
**NEMA 6-15P**  
(208-240V)



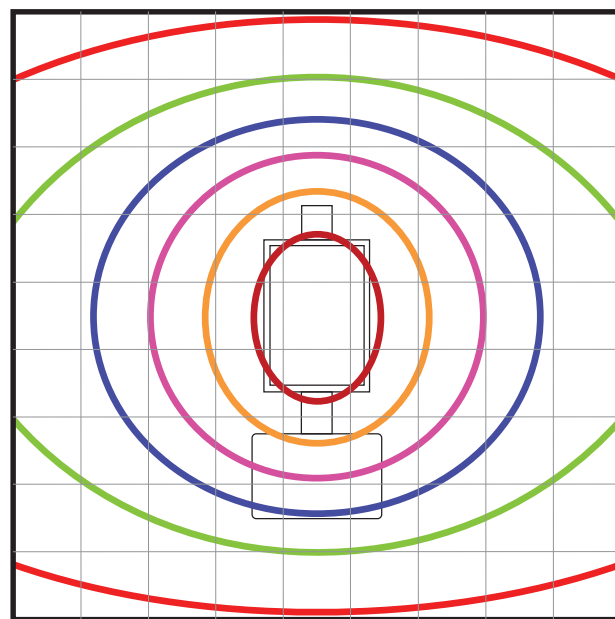
**IEC320 C13**  
(up to 250V)

### PHOTOSYNTHETIC PHOTON FLUX DENSITY (PPFD)

**HPS**



**MH**

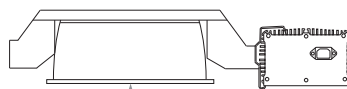


#### PPFD Legend

1,100	500
1,000	400
900	300
800	200
700	100
600	

#### PPFD Statistics

	HPS	MH
Maximum	1,201	817
Minimum	231	179
Average	545	397
Max to Min	5.2	4.6
Avg to Min	2.4	2.2



2'



\*Joules = watts/second