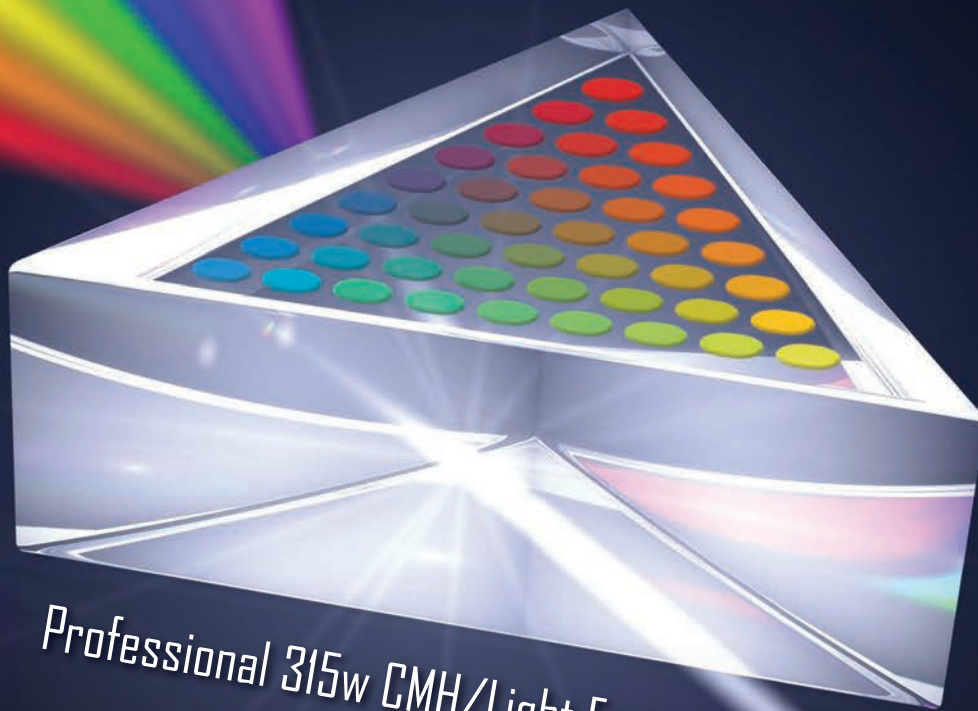


HI-PAR™

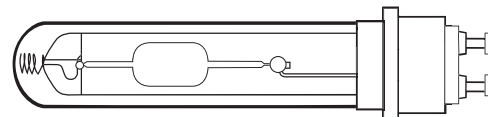
PLANT EMOTION

315 watt
LIGHT EMITTING CERAMIC



*Professional 315w CMH/Light Emitting Ceramic
Agro Lighting Systems*

www.hi-par-horticulture.com



HI-PAR 315w Technology

HI-PAR are global leaders for revolutionary 315w Light Emitting Ceramic Technology in the field of horticultural lighting. Our advanced range of ballasts, lamps, reflectors and luminaire packages can help any commercial or hobby cultivators achieve truly spectacular plant development.

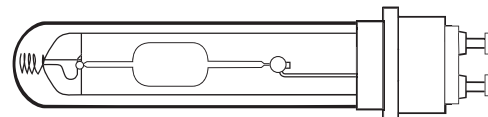
An introduction to 315w Light Emitting Ceramic Technology

315w Light Emitting Ceramic Technology (aka CDM or CMH) operates a unique mixture of gasses housed within a ceramic arc tube to emit amazingly bright luminescence. These internal gasses burn at a higher temperature than previous MH or HPS lamps were capable of; resulting in seriously improved light output. When combined with our CMH specific, low-frequency square-wave ballasts; the light output is strikingly close to true sunlight. This Colour Rendering Index of greater than 92% (% similar to the suns spectral output) provides a huge range of benefits for your plant growth.

Why HI-PAR 315w technology?

Our research and development team ensures our products are durable and designed with flawless consistency. The HI-PAR 315w Ballasts have been precisely engineered for efficient lamp ignition and consistent bulb operation. This ensures improved lamp life and superior light photon output compared to the competition. We utilise advanced square wave, 50/60Hz low-frequency technology and have spent years testing, trialling and researching in real-life conditions. Our team of qualified horticulturalists have published research and information in this field found in a variety of journals and publications.





HI-Par 315w CMH/Light Emitting Ceramic Full spectrum Digital Agro Ballast



Specifications:

Voltage: 230V

Current: 2.7A/1.38A

Power Factor: >0.99

THD: 10%

Lamp power: 315w

For CDM/CMH lamps only

PGZ-18 to E40 adapter enables
315w technology to retro-fit E40
mount reflectors.

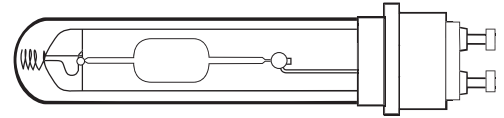
Why HI-PAR 315w technology?

- Increased resin production.
- Improved essential oil content and profile.
- Enhanced leaf, stem, root and shoot development.
- Shorter internodal spacing.
- Larger leaf and stem size.
- Better light energy absorption for your plants, ensuring an organic plant structure.
- Increased physiological function speed within the plant.
- Lower electricity costs through decreased wattage/voltage requirements.
- More umol (micromole) per watt than any other fixture currently on the market.
- 50/60Hz low-frequency, square wave technology reduces RFI.





LIGHT EMITTING CERAMIC



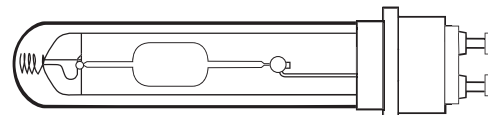
How you can use HI-PAR 315w Technology in your cultivation facility?

315w Technology can be effectively used as stand-alone lighting, or as supplementary lighting for an existing HPS/MH facility. Our satisfied customers have used these lamps in glasshouse applications, in grow-tents, in large-scale cultivation facilities and everything in between. We recommend the use of a recognised light testing device to optimise your lamp arrangement and spacing, but our qualified team can help with specific requests.



Hi-Par 315w technology can be easily integrated into any horticultural environment.





Reflectors and HI-PAR Kits

Our R&D team has compiled a complete collection of HI-PAR Kits and Complete Luminaires for both hobby and commercial application. We designed a range of reflectors specifically for the unique 315w bulb design. This maximises light energy efficiency and allows for an assortment of options with reflector choice, arrangement and bulb position to best suit your needs. Our team can customise a lighting package to tailor to the precise economical and ergonomic requirements of your facility.

Our HI-PAR Reflectors are engineered for maximum light reflectivity using premium quality MIRO Aluminium and a specifically trialled design. We calculated optimal bulb temperature and output requirements which ensures your reflector is giving you the best possible results!

See the HI-PAR difference today!



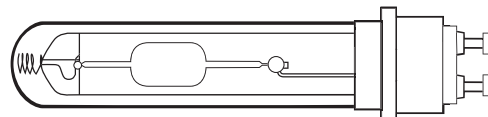
315w CMH BALLAST



315w REFLECTOR



315w CMH/CDM LAMP

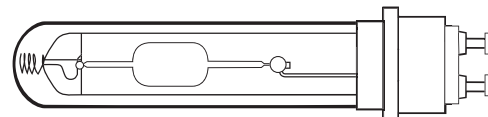


HI-PAR 315w Reflectors

HI-Par 315w reflectors are designed for maximum illumination and bulb durability, offering more efficiency than others on the market. Increased light reflectivity and effectual spread dramatically improves plant growth. HI-Pars's 315w mounted lamp design is calculated for perfect light efficiency and is ideal for any style of horticultural production. These fixtures can be used as a stand-alone lighting source or as supplementary lighting to traditional HPS bulbs.

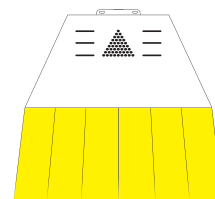
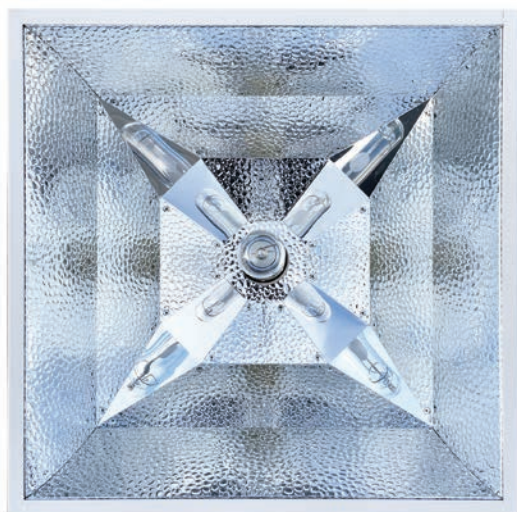
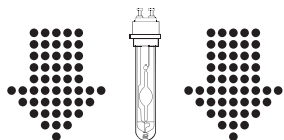
- Precisely engineered Micro-Aluminium.
- PGZ18 Bulb mount for secure mounting.
- Horizontal or Vertical style available.
- Air cooling vents.
- 'V' Hangers included.
- Rope ratchets





HI-PAR 315w Vertical Reflector

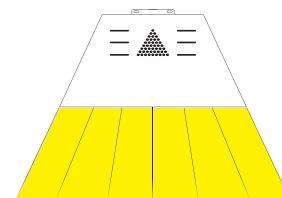
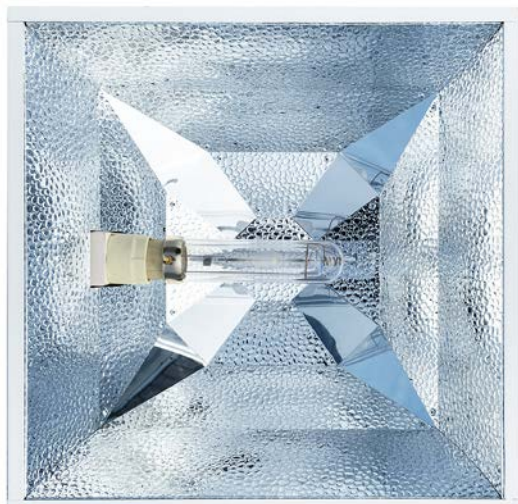
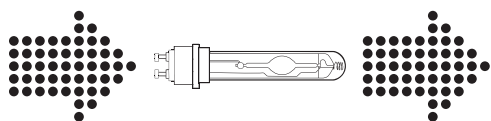
The HI-Par 315w **Vertical** reflector is designed for maximum downwards light delivery and canopy penetration without loss of light. The vertical lamp style design provides optimum light uniformity and excellent consistency.



Maximum downward light delivery

HI-PAR 315w Horizontal Reflector

The HI-Par 315w **Horizontal** reflector is designed for a wider downwards light spread and canopy penetration. The horizontal lamp style design provides optimum light delivery and PAR values.

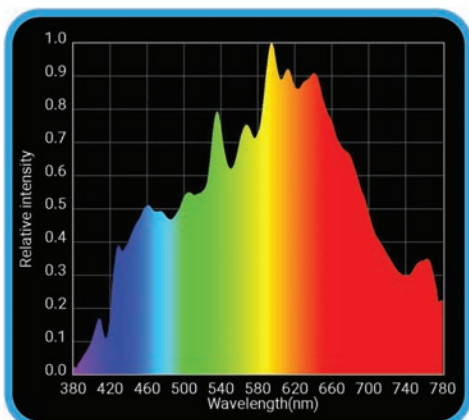
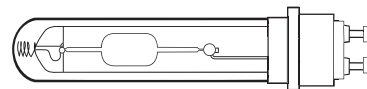


Wider downward light delivery

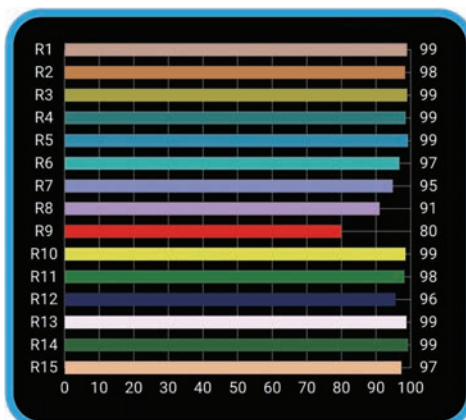
Features of the Horti-Vision 315w CMH/CDM Lamp

- Engineered Ceramic Arc Tube design
- Double-Jacketed glass for safety
- Complex patented mixture of gasses optimised specifically for horticulture
- Long lamp life - 20,000 hrs recommended with 90% maintenance at 10,000hr
- Higher UV and Infra-red output calculated for plant resin production
- PGZ18 Bulb Fixture for secure mounting

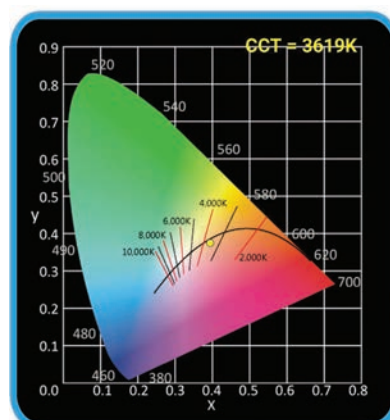
LIGHT EMITTING CERAMIC



Spectrum



CRI graph



Kelvin (K)

www.hi-par-horticulture.com

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www.stealth-garden.com