

# CMh Lamps

The T12 type CMh lamps offer a compact and efficient metal halide solution for the horticulture market. This lamp provides outstanding performance over the life of the product.

## Features

- Energy-efficient alternative to HPS or quartz metal halide lamp
- Compact lighting solution for growth chambers and greenhouses
- Excellent PPF (Photosynthetic Photon Flux) value of 1.9 micromoles per second
- Excellent growth light maintenance—85% of the PPF at 20,000 hours



T12 CMh lamp

## Note:

- Until the lamp has achieved at least 10 hours of operation, it should never be turned off before it has been operating for two minutes, including during the installation test. If this happens, you will have to wait one hour before switching it on again. Failure to comply with this requirement may lead to ignition problems.
- **WARNING:** These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if the outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. This lamp complies with the FDA radiation performance standard described in 21 CFR subchapter J.

### Applications

### Crop



Indoor Growing



Medicinal



Research



Supplemental



Growth Chamber



House Plants



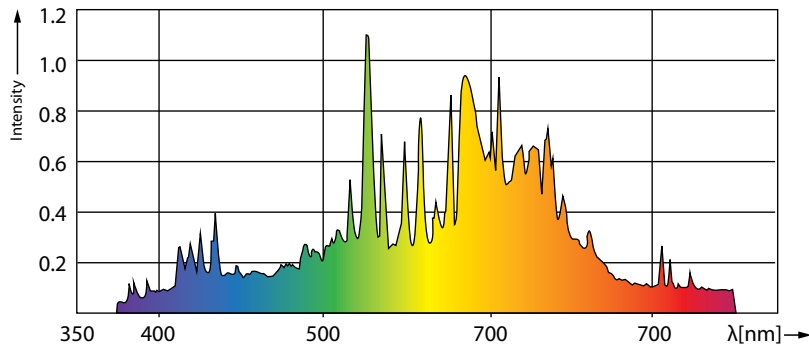
Vegetables



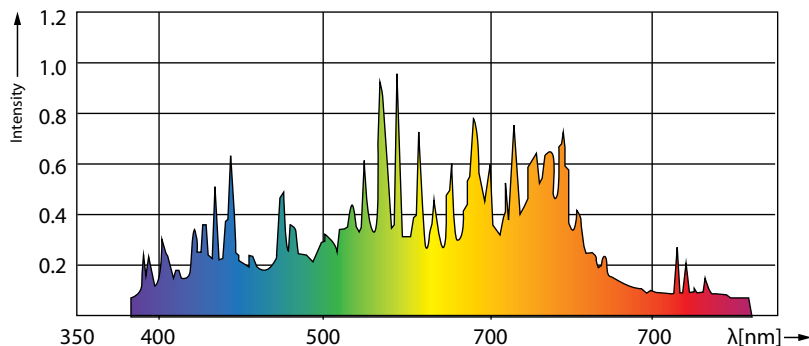
Herbs

CMh Lamps

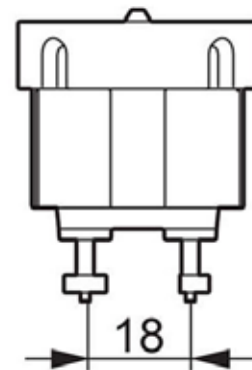
ITEM	DESCRIPTION	RATED WATTAGE	COLOR TEMP	INITIAL LUMENS	POSITION	RATED HOURS
BUCMH31531K	Philips 3100K Master Power CDM Elite Agro 315W, T12	315	3100K	33,000	UNIVERSAL	20,000
BUCMH31542K	Philips 4200K Master Power CDM Elite Agro 315W, T12	315	4200K	35,500	UNIVERSAL	30,000
US5002536	Ushio 3000K Hilux Gro CMH lamp, 315W	315	3000K	33,000	BU±90°	15,000
US5002537	Ushio 4200K Hilux Gro CMH lamp, 315W	315	4200K	32,000	BU±90°	15,000



Philips 3100K - 315W Lamp (BUCMH31531K)

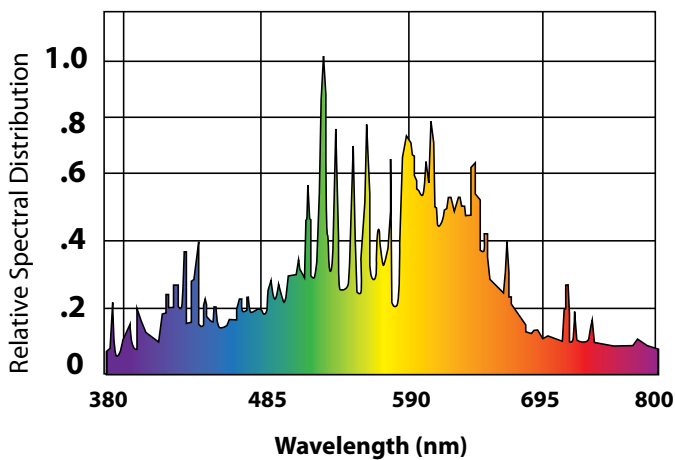


Philips 4200K - 315W Lamp (BUCMH31542K)



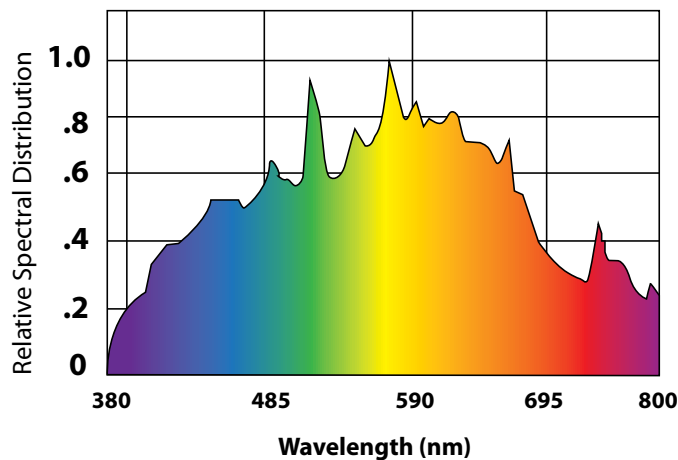
PGZ18 lamp base

SPECTRAL DISTRIBUTION



Ushio 3100K - 315W Lamp (US5002536)

SPECTRAL DISTRIBUTION



Ushio 4200K - 315W Lamp (US5002537)