

Description: MH-TS 2000W/XL/K12/4K

## Performance Data

Rated Light Output (Lumens @ 100 hours)	240000
Lamp Lumens per Watt (100hrs)	112
Rated Life (Hrs @ 10Hr./Start)	8000
Correlated Colour Temperature (K)	4500
Chromaticity (CIE - X Y)	360,365
Colour Rendering Index (CRI) or (Ra)	68
Typical Warm Up Time (Minutes)	3-5
Typical Hot Restart Time (Minutes)	10-15
Energy Rating (ErP)	A+ 2200 kWh/1000h

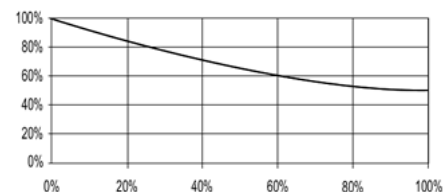


## Physical Data

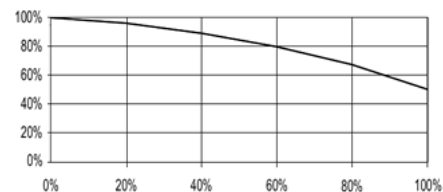
Base Designation	Cable/Lug
Bulb Designation	T29 (T9 USA)
Bulb Diameter (mm)	29
Max. Overall Length (mm)	298
Effective Arc Length (mm)	138
Max. Base Temperature (°C)	350
Max. Bulb Temperature (°C)	950
Socket Pulse Rating (KV)	6
Mercury Content (mg)	133.0

## Lamp Electrical Data

Nominal Lamp Wattage (W)	2150
Lamp Operating Voltage (V)	220
Lamp Operating Current (A)	10.3
Min. Open Circuit Voltage (RMS)	340
Min. Starting Pulse (Peak V)	5000-6000
Min. Pulse Width (Microseconds)	1 @ 4500V
Min. Pulse Rate Per ½ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270



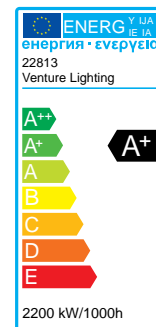
Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 12-06-2012

\*\*See page 2 for product notes\*\*





**Product Code: 22813**

**Notes:**

This Product Specification contains data about typical performance at nominal power. Actual values may depend on ballast and applications. Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.