



Product Specification Bulletin

2000 Watt

HIGH WATT DOUBLE ENDED

Clear - 45K
Linear Metal Halide



HORIZONTAL ± 15°

MH-TS 2000W/L/K12/45K		Product Number	84203
Lamp Type		DOUBLE ENDED METAL HALIDE	
Control Gear		REACTOR/IGNITOR	
Performance Data			
Light Output (Lumens @ 100 Hrs.)		240000	
Lamp Lumens Per Watt		112	
Rated Life (Hrs. @ 10 Hr. / Start)		5000	
Correlated Colour Temperature K		4500	
Chromaticity (CIE -X,Y)		.360 .365	
Colour Rendering Index (CRI) or (Ra)		65	
Typical Warm Up Time (Minutes)		3-5	
Typical Hot Restart Time (Minutes)		10-15	
Burning Position		HORIZONTAL ± 15°	
Physical Data / Requirements			
Base Designation		Cable/Lug	
Bulb Designation		T29 (T9 USA)	
Bulb Diameter		29 mm	
Insertion Length		270 mm	
Contact to Contact Length		N/A	
Effective Arc Length		138 mm	
Max. Base Temperature (°C)		350	
Max. Bulb Temperature (°C)		950	
Luminaire Type		ENCLOSED	
Socket Pulse Rating (KV)		6	
Electrical Data / Requirements			
IEC Standard		-	
Lamp Wattage		2150	
Operating Voltage		220	
Operating Current (Amps)		10.3	
Min. Open Circuit Voltage (RMS)		340	
Min.- Max. Starting Pulse (Peak V)		5000-6000	
Min. Pulse Width at 4500 (microseconds)		1	
Min. Pulse Rate Per 1/2 Cycle		1	
Pulse Position (Electrical Degrees)		60-90, 240-270	
Revision:		11-Apr-07	2392 - 0

Notes:

- ▶ Within North America, lamp is approved for use on an M134 ballast.
- ▶ The outer jacket is made from fused silica (quartz). Lamps require enclosures which protect users from exposure to ultraviolet radiation.

Lamps

Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives

Warning: This lamp can cause skin burn and eye inflammation from shortwave ultraviolet radiation if 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. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.