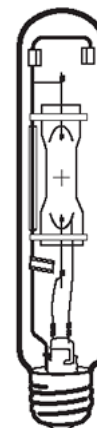


Lamps for Special Applications Dual Metal Halide Lamps

Description: HIT 250W/HOR/DU/4.5K

Performance Data

	Mercury	HPS
Rated Light Output (Lumens @ 100 hours)	18300	23000
Lamp Lumens per Watt	76	80
Rated Life (Hrs @ 10Hr./Start)	10000	10000
Correlated Colour Temperature (K)	4500	4200
Chromaticity (CIE - X Y)	364,371	364,371
Colour Rendering Index (CRI) or (Ra)	68	68
Typical Warm Up Time (Minutes)	3-5	3-5
Typical Hot Restart Time (Minutes)	5-10	5-10
Burning Position	Horizontal $\pm 15^\circ$	
Energy Rating (ErP)	A 264 kWh/1000h	A 317 kWh/1000h

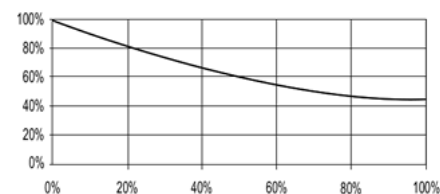


Physical Data

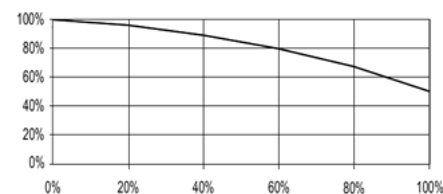
	Mercury	HPS
Base Designation	E40	
Bulb Designation	T46	
Bulb Diameter (mm)	46	
Max. Overall Length (mm)	245	
Light Centre Length (mm)	146	
Effective Arc Length (mm)	22	
Max. Base Temperature (°C)	250	
Max. Bulb Temperature (°C)	500	
Luminaire Type	Enclosed	
Socket Pulse Rating (KV)	4.5	
Mercury Content (mg)	25	

Lamp Electrical Data

	Mercury	HPS
Nominal Lamp Wattage (W)	240	288
Lamp Operating Voltage (V)	130	125
Lamp Operating Current (A)	2.2	2.6
Min. Open Circuit Voltage (RMS)	198	198
Min. Starting Pulse (Peak V)	600V	600V
Min. Pulse Width (Microseconds)	260 @540V	260 @540V
Min. Pulse Rate Per ½ cycle	1	1
Pulse Position (Electrical Degrees)	60-90, 240-270	60-90, 240-270



Lumen Maintenance (Light Output vs. Rated Life)



Lamp Mortality (Survivors vs. Rated Life)

Revision: 20-09-2013

See page 2 for product notes

Lamps for Special Applications Dual Metal Halide Lamps

Notes:

This lamp is also compatible with a 3.0-4.5kV ignitor

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.