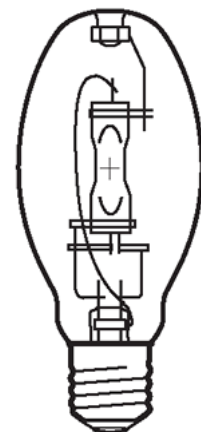


## Lamps for Special Applications Dual Metal Halide Lamps

Description: HIE 250W/C/V/DU/4.5K

### Performance Data

	Mercury	HPS
Rated Light Output (Lumens @ 100 hours)	15000	20000
Lamp Lumens per Watt	64	73
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)	70	70
Typical Warm Up Time (Minutes)	3-5	3-5
Typical Hot Restart Time (Minutes)	5-10	5-10
Burning Position	Vertical±15°	
Energy Rating (ErP)	A 259 kWh/1000h	A 303 kWh/1000h

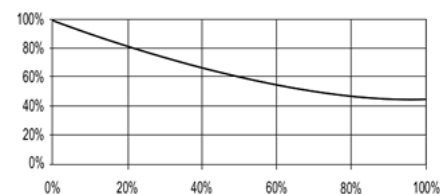


### Physical Data

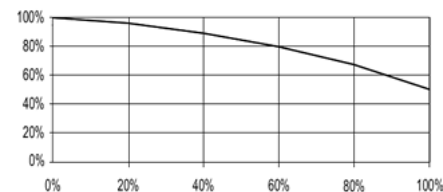
	Mercury	HPS
Base Designation	E40	
Bulb Designation	E90	
Bulb Diameter (mm)	90	
Max. Overall Length (mm)	215	
Light Centre Length (mm)	131	
Max. Base Temperature (°C)	250	
Max. Bulb Temperature (°C)	500	
Luminaire Type	Enclosed	
Socket Pulse Rating (KV)	4.5	
Mercury Content (mg)	25	

### Lamp Electrical Data

	Mercury	HPS
Nominal Lamp Wattage (W)	235	275
Lamp Operating Voltage (V)	130	130
Lamp Operating Current (A)	2.2	2.5
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.